ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΙΟΝΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ

ΔΙΕΥΘΥΝΣΗ ΤΕΧΝΙΚΩΝ ΥΠΗΡΕΣΙΩΝ

ΕΡΓΟ :

ΚΤΙΡΙΟ ΤΜΗΜΑΤΟΣ ΜΟΥΣΙΚΩΝ ΣΠΟΥΔΩΝ ΣΤΟ ΟΙΚΟΠΕΔΟ Ε.Α.Σ.Κ.

ΘΕΣΗ ΕΡΓΟΥ :

9η ΠΑΡΟΔΟΣ Δ. ΘΕΟΤΟΚΗ ,
ΠΕΡΙΟΧΗ ΠΑΛΛΑΔΑ - Ο.Τ. 379 , ΚΕΡΚΥΡΑ

ΣΤΑΔΙΟ ΜΕΛΕΤΗΣ :	**ΣΤΑΤΙΚΗ ΜΕΛΕΤΗ ΕΦΑΡΜΟΓΗΣ**	ΣΤΑ.
ΘΕΜΑ ΤΕΥΧΟΥΣ :	ΤΕΥΧΟΣ ΣΤΑΤΙΚΩΝ ΥΠΟΛΟΓΙΣΜΩΝ ΜΕΤΑΛΛΙΚΗΣ ΚΑΤΑΣΚΕΥΗΣ ΑΜΦΙΘΕΑΤΡΟΥ 13.1 ΚΤΙΡΙΟ Γ	Τ.07

ΑΡΧΙΤΕΚΤΟΝΙΚΗ ΜΕΛΕΤΗ	ΣΤΑΤΙΚΗ ΜΕΛΕΤΗ	ΜΕΛΕΤΗ Η/Μ ΕΓΚΑΤΑΣΤΑΣΕΩΝ	ΗΜΕΡΟΜΗΝΙΑ
Δ. ΒΑΣΙΛΟΠΟΥΛΟΣ & ΣΥΝΕΡΓΑΤΕΣ Ε.Ε. ΣΥΝΕΡΓΑΤΕΣ ΑΡΧΙΤΕΚΤΟΝΕΣ : Σ.ΚΟΛΟΒΟΥ, Ε. ΝΤΟΥΡΜΑ, Χ. ΣΟΥΛΙΩΤΗ, Φ. ΓΕΡΟΝΤΑΚΗΣ.	ΑΡΤΕΜΙΣ ΣΥΜΒΟΥΛΟΙ ΜΗΧΑΝΙΚΟΙ Ε.Π.Ε.	Η-Μ ΣΧΕΔΙΑΣΜΟΣ Κ. ΓΕΩΡΓΑΚΟΠΟΥΛΟΣ- Σ. ΤΣΑΝΤΕΣ & ΣΙΑ Ε.Ε.	ΣΕΠΤΕΜΒΡΙΟΣ 2019
ΣΥΜΒΟΥΛΟΣ ΑΚΟΥΣΤΙΚΗΣ ΜΕΛΕΤΗΣ: Ι. ΜΑΡΙΝΟΣ	ΓΕΩΤΕΧΝΙΚΗ ΜΕΛΕΤΗ: Ν. ΔΕΡΕΚΑΣ		

ΣΦΡΑΓΙΔΕΣ - ΥΠΟΓΡΑΦΕΣ

ΑΡΤΕΜΙΣ ΣΥΜΒΟΥΛΟΙ ΜΗΧΑΝΙΚΟΙ ΕΠΕ
ΕΤΑΙΡΕΙΑ ΣΤΑΤΙΚΩΝ ΜΕΛΕΤΩΝ
ΛΟΥΚΑΡΕΩΣ 57-59 114 75 ΑΘΗΝΑ
ΤΗΛ.: 210 6450349, ΦΑΞ: 210 6450745
ΑΦΜ: 099841348, ΔΟΥ: ΙΣΤ' ΑΘΗΝΩΝ

	Ποιότητα Υλικών	
1	Σκυρόδεμα φ.ο. κτιρίων	C25/30
3	Σκυρόδεμα φ.ο. φρεατοπασσάλων	C25/30
4	Εκτοξευόμενο σκυρόδεμα επί φρεατοπασσάλων	C25/30
5	Σκυρόδεμα καθαριότητας θεμελίων	C12/15
6	Σκυρόδεμα ελαφρά ωπλισμένων δαπέδων	C20/25
7	Χάλυβας κυρίως οπλισμού	B500C
8	Χάλυβας συνδετήρων	B500C
9	Χάλυβας δομικών πλεγμάτων	B500A
10	Δομικός χάλυβας μεταλλικών κατασκευών	S235, S275
11	Ποιότητα κοχλιών	8.8
12	Φυσική ξυλεία δαπέδων	C24

	Σεισμολογικά στοιχεία		
1	Οριζόντια σεισμική επιτάχυνση	A_h=	0,24g
2	Κατακόρυφη σεισμική επιτάχυνση	A_v=	0,7*0,24g=0,168g
3	Σπουδαιότητα κτιρίου		Σ3
4	Συντελεστής Σπουδαιότητας	γ=	1,15
5	Συντελεστής θεμελίωσης	θ=	1
6	Συντελεστής συμπεριφοράς οριζόντιας σεισμικής δράσης	q_h=	3,5
7	Συντελεστής συμπεριφοράς κατακόρυφης σεισμικής δράσης	q_v=	0,5q=1,75
8	Συντελεστής Φασματικής Ενίσχυσης	β_0=	2,5
9	Κατηγορία Εδάφους		Γ
10	Χαρακτηριστικές περίοδοι εδάφους	T1=0,20sec	T2=0,80sec
11	Συντελεστής κρίσιμης απόσβεσης για ρηγματωμένο σκυρόδεμα	ζ=	5%
17	Συντελεστής συνδυασμού δράσεων ανάλογα με τα φορτία χρήσης (πιν. 4.1 ΕΑΚ2000, 1.2)	ψ_2=	0,50

	Μόνιμα Φορτία		
1	Ειδικό βάρος ωπλισμένου σκυροδέματος	25,00	kN/m^3
2	Ειδικό βάρος χάλυβα οπλισμού	78,90	kN/m^3
3	Δρομικές οπτοπλινθοδομές	2,10	kN/m^2
4	Μπατικές Οπτοπλινθοδομές	3,60	kN/m^2
5	Συμπαγείς Οπτοπλινθοδομές (πάχος 20cm)	3,80	kN/m^2
6	Συμπαγείς Οπτοπλινθοδομές (πάχος 30cm)	5,80	kN/m^2
5	Ελαφρά Χωρίσματα πάχους 10cm	0,45	kN/m^2
6	Επιστρώσεις δαπέδων εσωτερικών χώρων	2,00	kN/m^2
7	Επιστρώσεις κλιμάκων, πλατύσκαλων, εξωστών	3,50	kN/m^2
8	Επικάλυψη δωμάτων	3,50	kN/m^2
9	Επικάλυψη στεγάστρων, στεγών	0,25	kN/m^2
10	Επικάλυψη αιθρίου με γυαλί	1.00	kN/m^2
11	Ειδικό βάρος χώματος φύτευσης	20,00	kN/m^3
12	Ειδικό βάρος γεμίσματος δαπέδων εσωτερικών χώρων	10,00	kN/m^3
13	Ειδικό βάρος ύδατος (δεξαμενή πυρόσβεσης)	10,00	kN/m^3

	Μεταβλητά Φορτία		
1	Ωφέλιμο φορτίο γραφείων	3,50	kN/m^2
2	Ωφέλιμο φορτίο αιθουσών διδασκαλίας	3,50-5,00	kN/m^2
3	Ωφέλιμο φορτίο αιθουσών εκδηλώσεων/ αμφιθεάτρων	7,50	kN/m^2
4	Ωφέλιμο φορτίο δαπέδων εξωστών	5,00	kN/m^2
5	Ωφέλιμο φορτίο κλιμάκων, πλατύσκαλων, χώρων κυκλοφορίας	5,00	kN/m^2
6	Ωφέλιμο φορτίο θέσεων στάθμευσης και κυκλοφορίας οχήματων στο δάπεδο υπογείου	5,00	kN/m^2
7	Ωφέλιμο φορτίο μη βατών δωμάτων	2,00	kN/m^2
8	Ωφέλιμο φορτίο βατών δωμάτων	5,00	kN/m^2
9	Ωφέλιμο φορτίο Η/Μ εγκαταστάσεων στο δώμα	2,00	kN/m^2
10	Ωφέλιμο φορτίο Η/Μ εγκαταστάσεων στο υπόγειο	10,00	kN/m^2
11	Ωφέλιμο φορτίο αποθηκευτικών χώρων υπογείου	10,00	kN/m^2
12	Ανεμοπίεση στους υποφορείς από δομικό χάλυβα	u=	33m/sec
13	Φορτίο Χιονιού	0,60	kN/m^2

	Εδαφολογικά στοιχεία		
1	Κατηγορία Εδάφους (από Γεωτεχνική Έρευνα-Μελέτη, Αύγουστος 2007)	Γ	
2	Περίοδοι φάσματος (κατά ΕΑΚ 2000)	Τ1=0,20sec	Τ2 =0,80sec
3	Συντελεστής θεμελίωσης (κατά ΕΑΚ 2000)	θ=	1
	Επιτρεπόμενη τάση (βάσει Γεωτεχνικής, Αυγούστου 2007)	σεπ=	100 kPa
4	Επιτρεπόμενη τάση που λήφθηκε υπόψη στους υπολογισμούς (προσαύξηση λόγω εμβάθυνσης θεμελίωσης)	σεπ=	190 kPa
5	Δείκτης εδάφους (από Γεωτεχνική Έρευνα-Μελέτη, Αύγουστος 2007)	K_v=	33.000 kN/m^3
6	Φαινόμενο βάρος γαιών	γ=	20-24 KN/m^3

	Συντελεστές ασφάλειας υλικών	
1	Σκυρόδεμα	1,50
2	Χάλυβας οπλισμού	1,15
3	Δομικού χάλυβα	1,10
4	Συγκολλήσεων, κοχλιώσεων	1,25

	Επικαλύψεις κύριων οπλισμών φερόντων δομικών στοιχείων • *Παρ.5.1 ΕΚΩΣ2000, Παραθαλάσσιο Περιβάλλον* • *Κανονισμός πυροπροστασίας για πυραντίσταση 60 λεπτών στους υπέργειους ορόφους και 90 λεπτών στο υπόγειο (εκπαιδευτήρια)*	
1	Συμπαγείς πλάκες	4,5cm
3	Δοκοί υπογείου	4,5cm
4	Δοκοί λοιπών σταθμών	4,5cm
5	Υποστυλώματα	4,5cm
6	Θεμελίωση	5,0cm

Περιεχόμενα

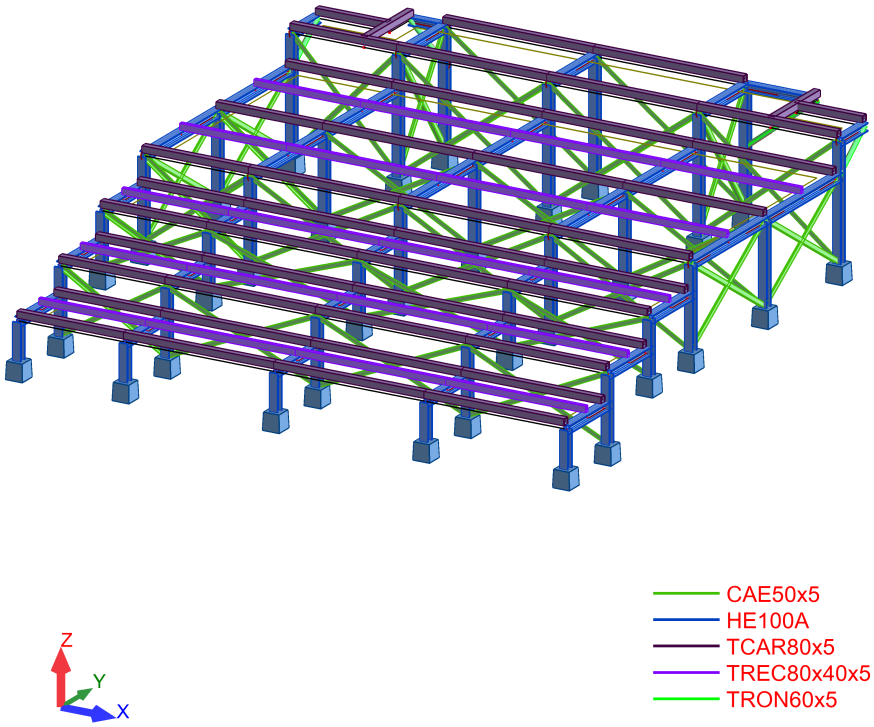
1 ΤΕΧΝΙΚΗ ΠΕΡΙΓΡΑΦΗ....3
2 ΘΕΜΑΤΑ ΠΡΟΣΟΜΟΙΩΣΗΣ, ΑΝΑΛΥΣΗΣ & ΔΙΑΣΤΑΣΙΟΛΟΓΗΣΗΣ....5
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1 ΤΕΧΝΙΚΗ ΠΕΡΙΓΡΑΦΗ

Η παρούσα Τεχνική Έκθεση και τα σχέδια που τη συνοδεύουν, αποτελούν στοιχεία της στατικής μελέτης, στα πλαίσια του έργου «**Κτίριο του Τμήματος Μουσικών Σπουδών στο Οικόπεδο Ε.Α.Σ.Κ.**» στο Ιόνιο Πανεπιστήμιο. Η μελέτη περιλαμβάνει την διαμόρφωση του αμφιθεάτρου Α.4.13.1, το οποίο στηρίζεται σε μεταλλικά στοιχεία που καταλήγουν και εδράζονται σε υφιστάμενα στοιχεία ωπλισμένου σκυροδέματος.

Το αμφιθέατρο Α.4.13.1 έχει διαστάσεις σε κάτοψη περί τα 6.8m x 6.90m, και σχηματίζει τις στάθμες -1.08, -0.76, -0.44, -0.12 και +0.20.

Τριδιάστατη απεικόνιση μεταλλικού φορέα – Αμφιθέατρο Α.4.13.1



2 ΘΕΜΑΤΑ ΠΡΟΣΟΜΟΙΩΣΗΣ, ΑΝΑΛΥΣΗΣ & ΔΙΑΣΤΑΣΙΟΛΟΓΗΣΗΣ

Η μελέτη του φορέα έγινε με το Autodesk Robot Structural Analysis 2019. Το Autodesk Robot Structural Analysis Professional είναι ένα γενικό πρόγραμμα ανάλυσης και διαστασιολόγησης οποιασδήποτε κατασκευής (κτίρια, γέφυρες, ειδικές κατασκευές) από οπλισμένο σκυρόδεμα, χάλυβα, αλουμίνιο, ξύλο κλπ.

3 ΠΑΡΑΔΟΧΕΣ ΜΕΛΕΤΗΣ

3.1 ΥΛΙΚΑ

Για την μεταλλική κατασκευή θα γίνει χρήση χάλυβα ποιότητας S275 γενικά. Όλες οι κοίλες διατομές κατασκευάζονται από χάλυβα ποιότητας S235 Οι κοχλίες είναι κατηγορίας 8.8 γενικά, εκτός αν αναγράφεται διαφορετικά.

3.2 ΦΟΡΤΙΣΕΙΣ

Οι φορτίσεις που έχουν ληφθεί υπόψη για την επίλυση του φορέα έχουν ως εξής:

Μόνιμα Φορτία:

- Ίδιο Βάρος Χάλυβα: 78.50 kN/m^3
- Επίστρωση δαπέδων: 2.50 kN/m^2
- Κινητό φορτίο δαπέδων: 5.00 kN/m^2

3.3 ΚΑΝΟΝΙΣΜΟΙ

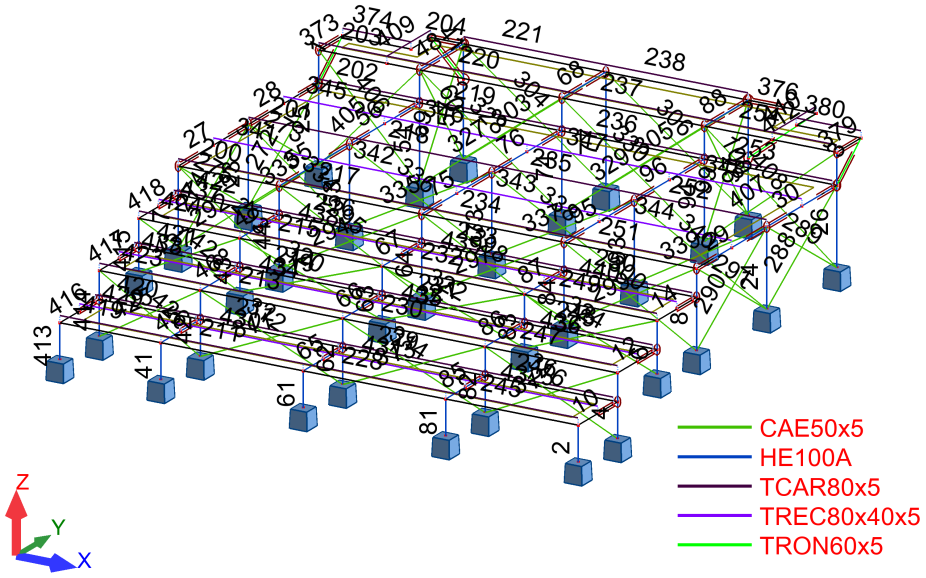
Οι κανονισμοί, βάση των οποίων μελετάται συνολικά το έργο, είναι οι ακόλουθοι.

- ΕΝ 1993: Σχεδιασμός κατασκευών από χάλυβα
- ΕΝ 1991: Δράσεις σε κτίρια
- ΕΝ 1992: Σχεδιασμός φορέων από σκυρόδεμα
- Ελληνικός αντισεισμικός κανονισμός (Ε.Α.Κ./2003)

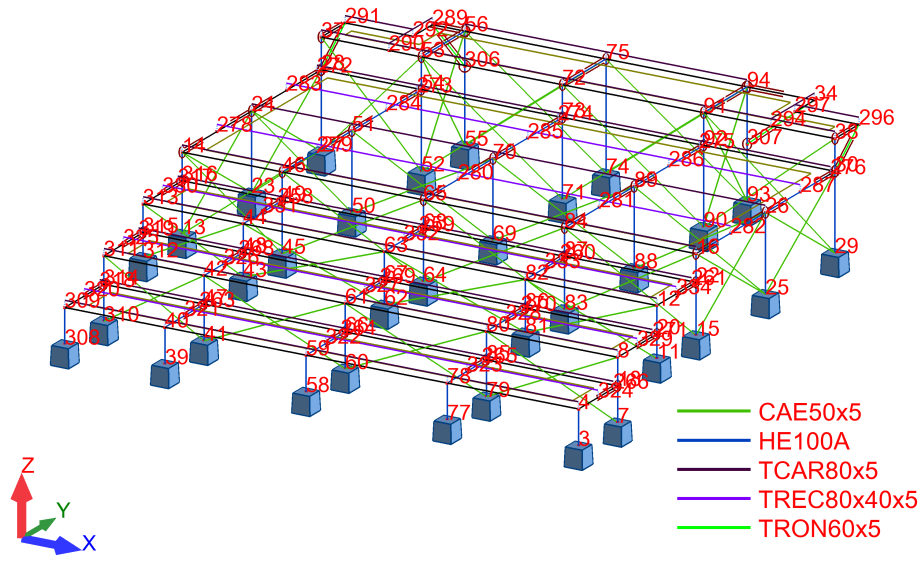
4 ΚΥΡΙΟΣ ΦΟΡΕΑΣ – ΑΜΦΙΘΕΑΤΡΟ Α.4.13.1

4.1 ΔΕΔΟΜΕΝΑ ΠΡΟΣΟΜΟΙΩΜΑΤΟΣ

Αρίθμηση μελών προσομοιώματος



Αρίθμηση κόμβων προσομοιώματος



Data – Bars

Bar	Node 1	Node 2	Section	Material	Length (m)	Gamma (Deg)	Type
1	291	28	TRON60x5	S235	0.68	0.0	_BRA
2	3	4	HE100A	S275	0.45	90.0	_CL
3	296	30	TRON60x5	S235	0.68	0.0	_BRA
4	7	8	HE100A	S275	0.80	90.0	_CL
6	11	12	HE100A	S275	0.65	90.0	_CL
7	13	14	HE100A	S275	1.00	90.0	_CL
8	15	16	HE100A	S275	1.00	90.0	_CL
10	4	18	HE100A	S275	0.90	0.0	_BEAM
12	8	20	HE100A	S275	0.90	0.0	_BEAM
14	12	22	HE100A	S275	0.90	0.0	_BEAM
23	23	24	HE100A	S275	1.00	90.0	_CL
24	25	26	HE100A	S275	1.00	90.0	_CL
25	27	37	HE100A	S275	1.40	90.0	_CL
26	29	38	HE100A	S275	1.40	90.0	_CL
27	14	24	HE100A	S275	1.60	0.0	_BEAM
28	24	28	HE100A	S275	1.60	0.0	_BEAM
29	16	26	HE100A	S275	1.60	0.0	_BEAM
30	26	30	HE100A	S275	1.60	0.0	_BEAM
41	39	40	HE100A	S275	0.45	90.0	_CL
42	41	42	HE100A	S275	0.80	90.0	_CL
43	43	44	HE100A	S275	0.65	90.0	_CL
44	45	46	HE100A	S275	1.00	90.0	_CL
45	40	47	HE100A	S275	0.90	0.0	_BEAM
46	42	48	HE100A	S275	0.90	0.0	_BEAM
47	44	49	HE100A	S275	0.90	0.0	_BEAM
48	53	56	HE100A	S275	1.00	0.0	_BEAM
53	50	51	HE100A	S275	1.00	90.0	_CL
54	52	53	HE100A	S275	1.40	90.0	_CL
55	46	51	HE100A	S275	1.60	0.0	_BEAM
56	51	54	HE100A	S275	1.60	0.0	_BEAM
57	55	56	HE100A	S275	1.40	90.0	_CL
59	52	56	CAE50x5	S 275	1.72	0.0	_BRA
60	53	55	CAE50x5	S 275	1.72	0.0	_BRA
61	58	59	HE100A	S275	0.45	90.0	_CL
62	60	61	HE100A	S275	0.80	90.0	_CL
63	62	63	HE100A	S275	0.65	90.0	_CL
64	64	65	HE100A	S275	1.00	90.0	_CL
65	59	66	HE100A	S275	0.90	0.0	_BEAM
66	61	67	HE100A	S275	0.90	0.0	_BEAM
67	63	68	HE100A	S275	0.90	0.0	_BEAM
68	72	75	HE100A	S275	1.00	0.0	_BEAM
73	69	70	HE100A	S275	1.00	90.0	_CL
74	71	72	HE100A	S275	1.40	90.0	_CL
75	65	70	HE100A	S275	1.60	0.0	_BEAM
76	70	73	HE100A	S275	1.60	0.0	_BEAM
77	74	75	HE100A	S275	1.40	90.0	_CL
81	77	78	HE100A	S275	0.45	90.0	_CL
82	79	80	HE100A	S275	0.80	90.0	_CL
83	81	82	HE100A	S275	0.65	90.0	_CL
84	83	84	HE100A	S275	1.00	90.0	_CL
85	78	85	HE100A	S275	0.90	0.0	_BEAM
86	80	86	HE100A	S275	0.90	0.0	_BEAM
87	82	87	HE100A	S275	0.90	0.0	_BEAM

Bar	Node 1	Node 2	Section	Material	Length (m)	Gamma (Deg)	Type
88	91	94	HE100A	S275	1.00	0.0	_BEAM
93	88	89	HE100A	S275	1.00	90.0	_CL
94	90	91	HE100A	S275	1.40	90.0	_CL
95	84	89	HE100A	S275	1.60	0.0	_BEAM
96	89	92	HE100A	S275	1.60	0.0	_BEAM
97	93	94	HE100A	S275	1.40	90.0	_CL
99	90	94	CAE50x5	S 275	1.72	0.0	_BRA
100	91	93	CAE50x5	S 275	1.72	0.0	_BRA
200	14	46	TCAR80x5	S235	1.33	0.0	_BEAM
201	24	51	TCAR80x5	S235	1.33	0.0	_BEAM
202	272	273	TCAR80x5	S235	1.33	0.0	_BEAM
203	37	53	TCAR80x5	S235	1.33	0.0	_BEAM
204	289	56	HE100A	S275	0.43	0.0	_BEAM
211	40	59	TCAR80x5	S235	1.87	0.0	_BEAM
212	263	264	TCAR80x5	S235	1.88	0.0	_BEAM
213	42	61	TCAR80x5	S235	1.88	0.0	_BEAM
214	268	269	TCAR80x5	S235	1.88	0.0	_BEAM
215	44	63	TCAR80x5	S235	1.88	0.0	_BEAM
216	258	259	TCAR80x5	S235	1.88	0.0	_BEAM
217	46	65	TCAR80x5	S235	1.88	0.0	_BEAM
218	51	70	TCAR80x5	S235	1.88	0.0	_BEAM
219	273	274	TCAR80x5	S235	1.88	0.0	_BEAM
220	53	72	TCAR80x5	S235	1.88	0.0	_BEAM
221	56	75	TCAR80x5	S235	1.88	0.0	_BEAM
228	59	78	TCAR80x5	S235	1.88	0.0	_BEAM
229	264	265	TCAR80x5	S235	1.87	0.0	_BEAM
230	61	80	TCAR80x5	S235	1.87	0.0	_BEAM
231	269	270	TCAR80x5	S235	1.87	0.0	_BEAM
232	63	82	TCAR80x5	S235	1.87	0.0	_BEAM
233	259	260	TCAR80x5	S235	1.87	0.0	_BEAM
234	65	84	TCAR80x5	S235	1.87	0.0	_BEAM
235	70	89	TCAR80x5	S235	1.87	0.0	_BEAM
236	274	275	TCAR80x5	S235	1.87	0.0	_BEAM
237	72	91	TCAR80x5	S235	1.87	0.0	_BEAM
238	75	94	TCAR80x5	S235	1.87	0.0	_BEAM
245	78	4	TCAR80x5	S235	1.75	0.0	_BEAM
246	265	266	TCAR80x5	S235	1.75	0.0	_BEAM
247	80	8	TCAR80x5	S235	1.75	0.0	_BEAM
248	270	271	TCAR80x5	S235	1.75	0.0	_BEAM
249	82	12	TCAR80x5	S235	1.75	0.0	_BEAM
250	260	261	TCAR80x5	S235	1.75	0.0	_BEAM
251	84	16	TCAR80x5	S235	1.75	0.0	_BEAM
252	89	26	TCAR80x5	S235	1.75	0.0	_BEAM
253	275	276	TCAR80x5	S235	1.75	0.0	_BEAM
254	91	38	TCAR80x5	S235	1.75	0.0	_BEAM
272	23	28	CAE50x5	S 275	1.89	0.0	_BRA
273	24	27	CAE50x5	S 275	1.89	0.0	_BRA
274	13	24	CAE50x5	S 275	1.89	0.0	_BRA
275	14	23	CAE50x5	S 275	1.89	0.0	_BRA
288	25	30	CAE50x5	S 275	1.89	0.0	_BRA
289	26	29	CAE50x5	S 275	1.89	0.0	_BRA
290	15	26	CAE50x5	S 275	1.89	0.0	_BRA
291	16	25	CAE50x5	S 275	1.89	0.0	_BRA
292	13	46	CAE50x5	S 275	1.66	0.0	_BRA
293	45	14	CAE50x5	S 275	1.66	0.0	_BRA
294	45	65	CAE50x5	S 275	2.13	0.0	_BRA

Bar	Node 1	Node 2	Section	Material	Length (m)	Gamma (Deg)	Type
295	46	64	CAE50x5	S 275	2.13	0.0	_BRA
297	64	84	CAE50x5	S 275	2.12	0.0	_BRA
298	65	83	CAE50x5	S 275	2.12	0.0	_BRA
299	83	16	CAE50x5	S 275	2.01	0.0	_BRA
300	84	15	CAE50x5	S 275	2.01	0.0	_BRA
303	55	75	CAE50x5	S 275	2.34	0.0	_BRA
304	56	74	CAE50x5	S 275	2.34	0.0	_BRA
305	74	94	CAE50x5	S 275	2.34	0.0	_BRA
306	75	93	CAE50x5	S 275	2.34	0.0	_BRA
311	41	61	CAE50x5	S 275	2.04	0.0	_BRA
312	42	60	CAE50x5	S 275	2.04	0.0	_BRA
313	60	80	CAE50x5	S 275	2.04	0.0	_BRA
314	61	79	CAE50x5	S 275	2.04	0.0	_BRA
315	79	8	CAE50x5	S 275	1.92	0.0	_BRA
316	80	7	CAE50x5	S 275	1.92	0.0	_BRA
319	43	63	CAE50x5	S 275	1.98	0.0	_BRA
320	44	62	CAE50x5	S 275	1.98	0.0	_BRA
321	62	82	CAE50x5	S 275	1.98	0.0	_BRA
322	63	81	CAE50x5	S 275	1.98	0.0	_BRA
323	81	12	CAE50x5	S 275	1.86	0.0	_BRA
324	82	11	CAE50x5	S 275	1.86	0.0	_BRA
327	52	72	CAE50x5	S 275	2.34	0.0	_BRA
328	53	71	CAE50x5	S 275	2.34	0.0	_BRA
329	71	91	CAE50x5	S 275	2.34	0.0	_BRA
330	72	90	CAE50x5	S 275	2.34	0.0	_BRA
333	23	51	CAE50x5	S 275	1.66	0.0	_BRA
334	50	24	CAE50x5	S 275	1.66	0.0	_BRA
335	50	70	CAE50x5	S 275	2.13	0.0	_BRA
336	51	69	CAE50x5	S 275	2.13	0.0	_BRA
337	69	89	CAE50x5	S 275	2.12	0.0	_BRA
338	70	88	CAE50x5	S 275	2.12	0.0	_BRA
339	88	26	CAE50x5	S 275	2.01	0.0	_BRA
340	89	25	CAE50x5	S 275	2.01	0.0	_BRA
341	278	279	TREC80x40x5	S235	1.33	0.0	_BEAM
342	279	280	TREC80x40x5	S235	1.88	0.0	_BEAM
343	280	281	TREC80x40x5	S235	1.87	0.0	_BEAM
344	281	282	TREC80x40x5	S235	1.75	0.0	_BEAM
345	283	284	TREC80x40x5	S235	1.33	0.0	_BEAM
346	284	285	TREC80x40x5	S235	1.88	0.0	_BEAM
347	285	286	TREC80x40x5	S235	1.87	0.0	_BEAM
348	286	287	TREC80x40x5	S235	1.75	0.0	_BEAM
373	37	291	HE100A	S275	0.55	0.0	_BEAM
374	291	292	TCAR80x5	S235	0.90	0.0	_BEAM
376	94	34	HE100A	S275	0.90	0.0	_BEAM
379	38	296	HE100A	S275	0.55	0.0	_BEAM
380	297	296	TCAR80x5	S235	0.85	0.0	_BEAM
405	27	53	CAE50x5	S 275	1.93	0.0	_BRA
406	37	52	CAE50x5	S 275	1.93	0.0	_BRA
407	90	38	CAE50x5	S 275	2.24	0.0	_BRA
408	91	29	CAE50x5	S 275	2.24	0.0	_BRA
409	290	289	TCAR80x5	S235	1.00	0.0	_BEAM
410	294	34	TCAR80x5	S235	1.00	0.0	_BEAM
411	289	306	TRON60x5	S235	0.61	0.0	_BRA
412	34	307	TRON60x5	S235	1.14	0.0	_BRA
413	308	309	HE100A	S275	0.45	90.0	_CL
414	310	311	HE100A	S275	0.80	90.0	_CL

Bar	Node 1	Node 2	Section	Material	Length (m)	Gamma (Deg)	Type
415	312	313	HE100A	S275	0.65	90.0	_CL
416	309	314	HE100A	S275	0.90	0.0	_BEAM
417	311	315	HE100A	S275	0.90	0.0	_BEAM
418	313	316	HE100A	S275	0.90	0.0	_BEAM
419	309	40	TCAR80x5	S235	1.33	0.0	_BEAM
420	318	263	TCAR80x5	S235	1.33	0.0	_BEAM
421	319	268	TCAR80x5	S235	1.33	0.0	_BEAM
422	317	258	TCAR80x5	S235	1.33	0.0	_BEAM
423	311	42	TCAR80x5	S235	1.33	0.0	_BEAM
424	313	44	TCAR80x5	S235	1.33	0.0	_BEAM
425	310	42	CAE50x5	S 275	1.55	0.0	_BRA
426	41	311	CAE50x5	S 275	1.55	0.0	_BRA
427	312	44	CAE50x5	S 275	1.48	0.0	_BRA
428	43	313	CAE50x5	S 275	1.48	0.0	_BRA
429	320	321	TREC80x40x5	S235	1.33	0.0	_BEAM
430	321	322	TREC80x40x5	S235	1.88	0.0	_BEAM
431	322	323	TREC80x40x5	S235	1.88	0.0	_BEAM
432	323	324	TREC80x40x5	S235	1.75	0.0	_BEAM
433	325	326	TREC80x40x5	S235	1.33	0.0	_BEAM
434	326	327	TREC80x40x5	S235	1.88	0.0	_BEAM
435	327	328	TREC80x40x5	S235	1.88	0.0	_BEAM
436	328	329	TREC80x40x5	S235	1.75	0.0	_BEAM
437	330	331	TREC80x40x5	S235	1.33	0.0	_BEAM
438	331	332	TREC80x40x5	S235	1.88	0.0	_BEAM
439	332	333	TREC80x40x5	S235	1.88	0.0	_BEAM
440	333	334	TREC80x40x5	S235	1.75	0.0	_BEAM

Data – Sections

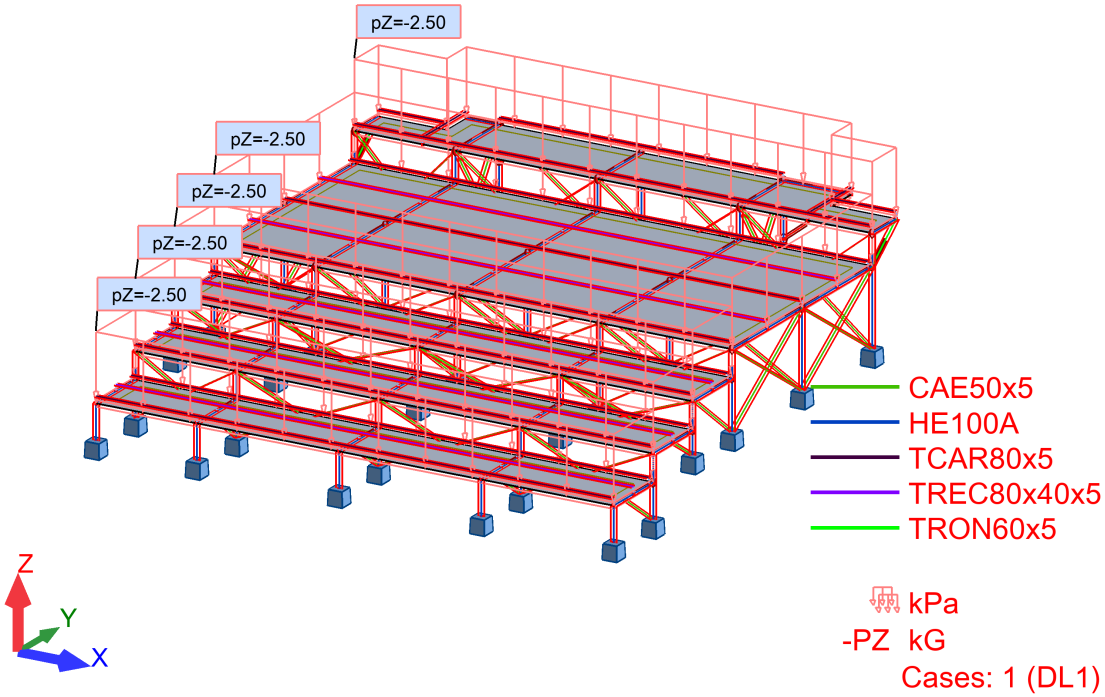
Section name	Bar list	AX (cm2)	AY (cm2)	AZ (cm2)	IX (cm4)	IY (cm4)	IZ (cm4)
HE100A	2 4 6to8 10 12 14 23to30 41to48 53to57 61to68 73to77 81to88 93to97 204 373 376 379 413to418	21.24	15.98	5.25	4.69	349.22	133.81
CAE50x5	59 60 99 100 272to275 288to295 297to300 303to306 311to316 319to324 327to330 333to340 405to408 425to428	4.80	2.50	2.50	0.40	10.96	10.96
TRON60x5	1 3 411 412	8.69	4.34	4.34	66.95	33.48	33.48
TCAR80x5	200to203 211to221 228to238 245to254 374 380 409 410 419to424	14.88	6.61	6.61	217.10	138.70	138.70
TREC80x40x5	341to348 429to440	10.88	4.84	4.84	65.05	82.38	26.17

Data – Supports

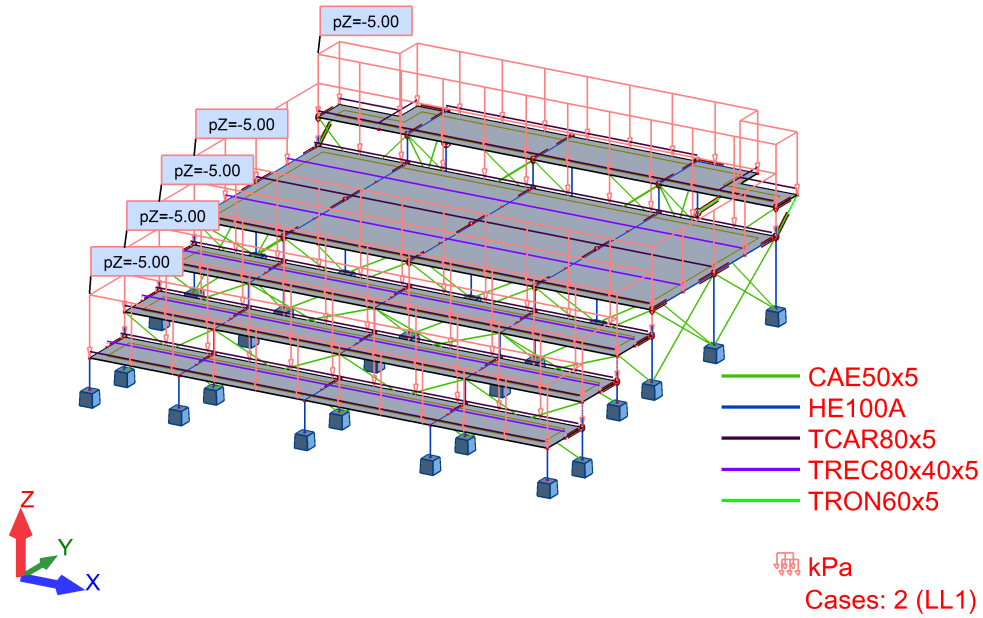
Support name	List of nodes	List of edges	List of objects	Support conditions
PINNED_-RZ	3to15By4 13to83By14 23 25 29 39 43 45 50 52 58to64By2 71 74 77 79 81 88 90 93 308 310 312			UX UY UZ RX RY RZ

4.2 ΦΟΡΤΙΣΕΙΣ

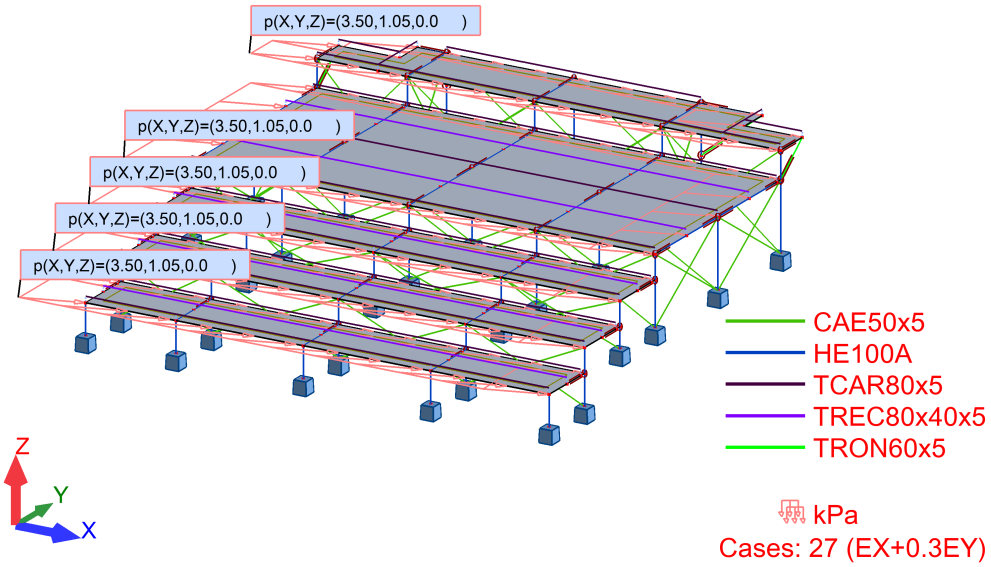
Μόνιμο φορτίο (1:DL1)



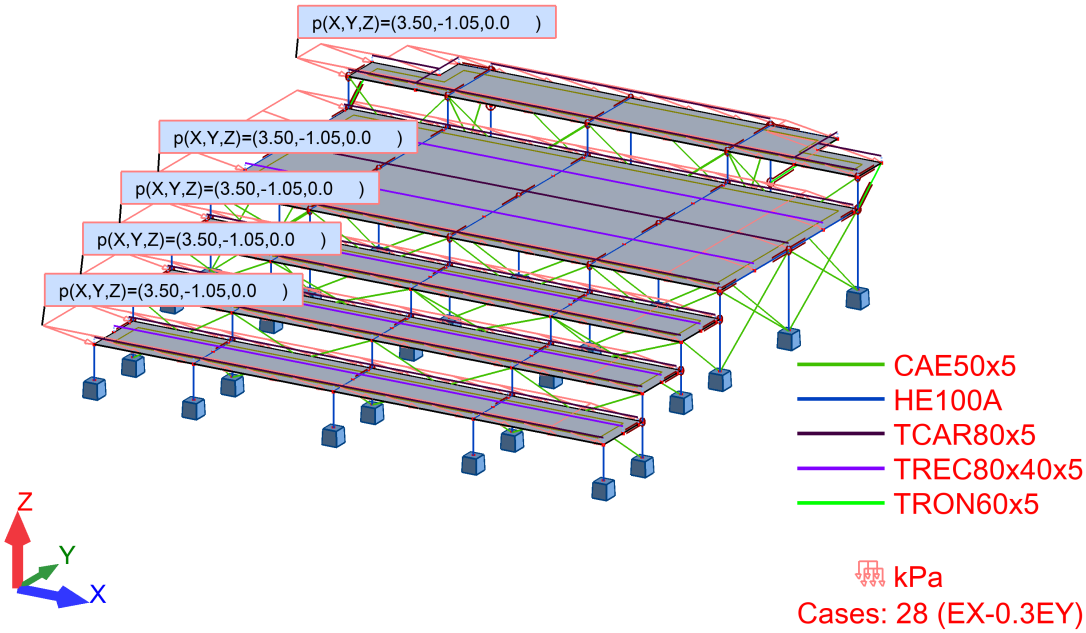
Κινητό φορτίο (2:LL1)



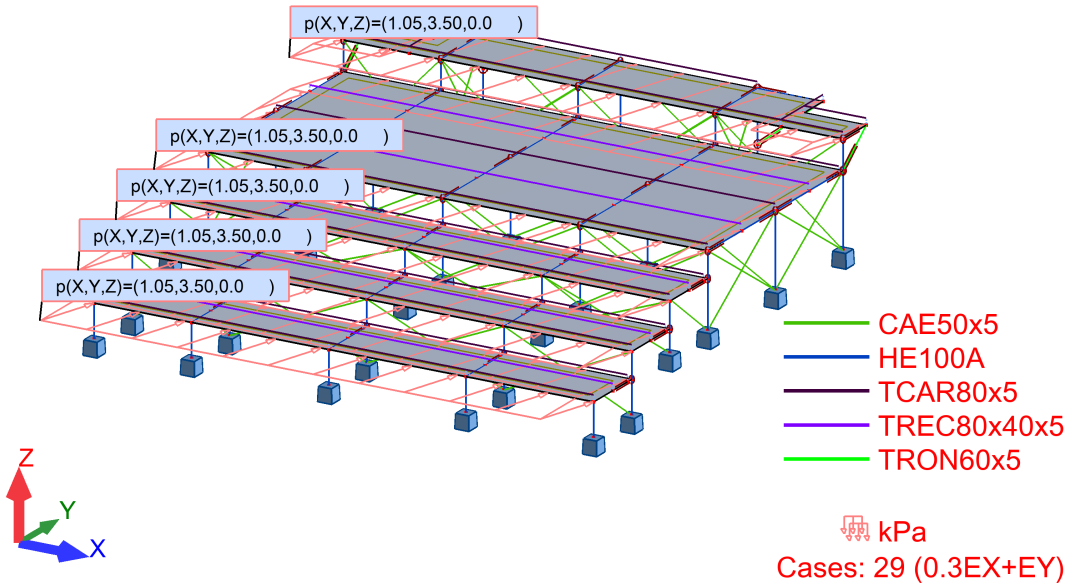
Σεισμικό φορτίο (27:EX+0.3EY)



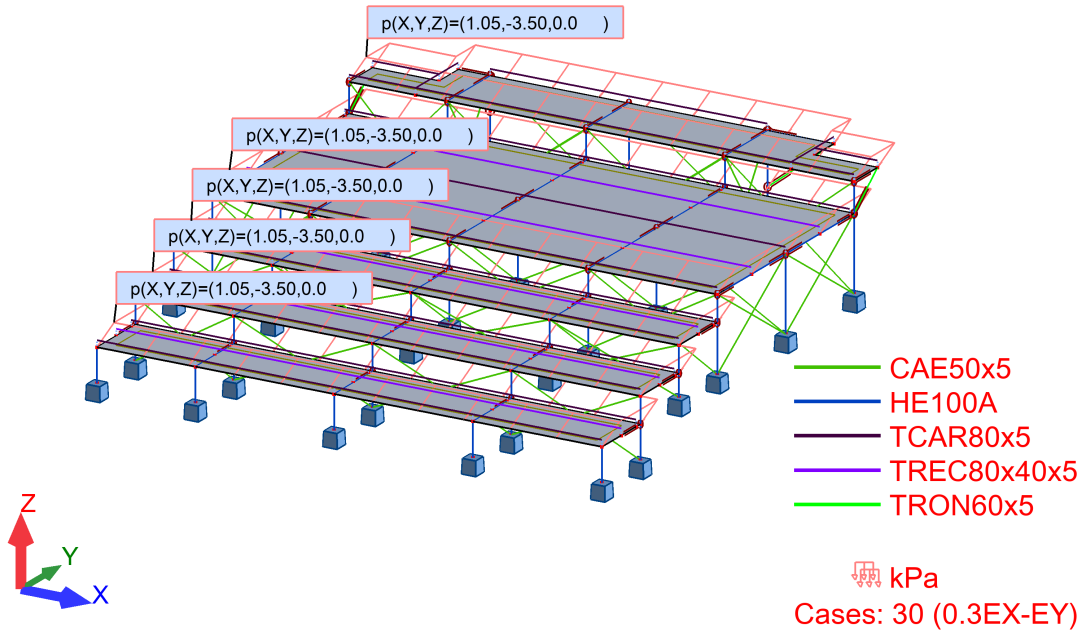
Σεισμικό φορτίο (28:EX-0.3EY)



Σεισμικό φορτίο (29:0.3EX+EY)



Σεισμικό φορτίο (30:0.3EX-EY)



Loads – Cases

Case	Label	Case name	Nature	Analysis type
1	DL1	DL1	Structural	Static - Linear
2	LL1	LL1	Category C	Static - Linear
3	DL2	DL2	Structural	Static - Linear
4		ULS		Static - Linear
5		ULS+		Static - Linear
6		ULS-		Static - Linear
7		SLS		Static - Linear
8		SLS+		Static - Linear
9		SLS-		Static - Linear
10		SLS:CHR		Static - Linear
11		SLS:CHR+		Static - Linear
12		SLS:CHR-		Static - Linear
13		SLS:FRE		Static - Linear
14		SLS:FRE+		Static - Linear
15		SLS:FRE-		Static - Linear
16		SLS:QPR		Static - Linear
17		SLS:QPR+		Static - Linear
18		SLS:QPR-		Static - Linear
19		ACC		Static - Linear
20		ACC+		Static - Linear
21		ACC-		Static - Linear
26	MOD26	Modal		Modal
27	EX+0.3EY	EX+0.3EY	seismic	Static - Linear
28	EX-0.3EY	EX-0.3EY	seismic	Static - Linear
29	0.3EX+EY	0.3EX+EY	seismic	Static - Linear
30	0.3EX-EY	0.3EX-EY	seismic	Static - Linear

Loads – Values

Case	Load type	List	Load values
1	self-weight	1to4 6to8 23to30 10 12 14 41to48 53to57 59to68 73-to77 81to88 93to97 200to204 211to221 228to238 2-45to254 272to275 288to295 297to300 303to306 31-1to316 319to324 327to330 333to352 99 100 373 37-4 376 379 380 390 405to440	PZ Negative Factor=1.00
1	(FE) uniform	349	PZ=-2.50(kN/m2)
1	(FE) uniform	350to352	PZ=-2.50(kN/m2)
1	(FE) uniform	390	PZ=-2.50(kN/m2)
2	(FE) uniform	349to352	PZ=-5.00(kN/m2)
2	(FE) uniform	390	PZ=-5.00(kN/m2)
3	self-weight	1to4 6to8 23to30 10 12 14 41to48 53to57 59to68 73-to77 81to88 93to97 200to204 211to221 228to238 2-45to254 272to275 288to295 297to300 303to306 31-1to316 319to324 327to330 333to352 99 100 373 37-4 376 379 380 390 405to440	PZ Negative Factor=1.00
27	(FE) uniform	349to352 390	PX=3.50(kN/m2) PY=1.05(kN/m2)
28	(FE) uniform	349to352 390	PX=3.50(kN/m2) PY=-1.05(kN/m2)
29	(FE) uniform	349to352 390	PX=1.05(kN/m2) PY=3.50(kN/m2)
30	(FE) uniform	349to352 390	PX=1.05(kN/m2) PY=-3.50(kN/m2)

Combinations

Combinations/Comp.	Definition
ULS/\t1	1*1.35 + 2*1.50
ULS/\t2	1*1.35
ULS/\t3	1*1.00 + 2*1.50
ULS/\t4	1*1.00
SLS:CHR/\t1	1*1.00 + 2*1.00
SLS:CHR/\t2	1*1.00
SLS:FRE/\t3	1*1.00 + 2*0.70
SLS:FRE/\t4	1*1.00
SLS:QPR/\t5	1*1.00 + 2*0.60
SLS:QPR/\t6	1*1.00
SLS:CHR/\t1	1*1.00 + 2*1.00
SLS:CHR/\t2	1*1.00
SLS:FRE/\t1	1*1.00 + 2*0.70
SLS:FRE/\t2	1*1.00
SLS:QPR/\t1	1*1.00 + 2*0.60
SLS:QPR/\t2	1*1.00
ACC:SEI/\t1	1*1.00 + 2*0.60 + 27*1.00
ACC:SEI/\t2	1*1.00 + 27*1.00
ACC:SEI/\t3	1*1.00
ACC:SEI/\t4	1*1.00 + 2*0.60 + 28*1.00
ACC:SEI/\t5	1*1.00 + 28*1.00
ACC:SEI/\t6	1*1.00 + 2*0.60 + 29*1.00
ACC:SEI/\t7	1*1.00 + 29*1.00
ACC:SEI/\t8	1*1.00 + 2*0.60 + 30*1.00
ACC:SEI/\t9	1*1.00 + 30*1.00
ACC:SEI/\t10	1*1.00 + 2*0.60 + 27*-1.00
ACC:SEI/\t11	1*1.00 + 27*-1.00
ACC:SEI/\t12	1*1.00 + 2*0.60 + 28*-1.00
ACC:SEI/\t13	1*1.00 + 28*-1.00
ACC:SEI/\t14	1*1.00 + 2*0.60 + 29*-1.00
ACC:SEI/\t15	1*1.00 + 29*-1.00
ACC:SEI/\t16	1*1.00 + 2*0.60 + 30*-1.00
ACC:SEI/\t17	1*1.00 + 30*-1.00

4.3 ΑΠΟΤΕΛΕΣΜΑΤΑ

Forces

Bar/Node/Case	FX (kN)	FY (kN)	FZ (kN)	MX (kNm)	MY (kNm)	MZ (kNm)
1/291/ULS+	2.07	-0.01	0.03	0	0	-0.01
1/291/ULS-	0.59	-0.04	0.01	0	0	-0.03
1/291/SLS+	1.44	-0.01	0.02	0	0	-0.01
1/291/SLS-	0.59	-0.03	0.02	0	0	-0.02
1/291/SLS:CHR+	1.44	-0.01	0.02	0	0	-0.01
1/291/SLS:CHR-	0.59	-0.03	0.02	0	0	-0.02
1/291/SLS:FRE+	1.18	-0.01	0.02	0	0	-0.01
1/291/SLS:FRE-	0.59	-0.02	0.02	0	0	-0.02
1/291/SLS:QPR+	1.1	-0.01	0.02	0	0	-0.01
1/291/SLS:QPR-	0.59	-0.02	0.02	0	0	-0.02
1/291/ACC+	1.28	0.09	0.02	0	0	0.06
1/291/ACC-	0.41	-0.13	0.01	-0.01	0	-0.09
1/28/ULS+	2.1	-0.01	-0.02	0	0	0
1/28/ULS-	0.62	-0.04	-0.03	0	0	0
1/28/SLS+	1.46	-0.01	-0.02	0	0	0
1/28/SLS-	0.62	-0.03	-0.02	0	0	0
1/28/SLS:CHR+	1.46	-0.01	-0.02	0	0	0
1/28/SLS:CHR-	0.62	-0.03	-0.02	0	0	0
1/28/SLS:FRE+	1.21	-0.01	-0.02	0	0	0
1/28/SLS:FRE-	0.62	-0.02	-0.02	0	0	0
1/28/SLS:QPR+	1.13	-0.01	-0.02	0	0	0
1/28/SLS:QPR-	0.62	-0.02	-0.02	0	0	0
1/28/ACC+	1.31	0.09	-0.01	0	0	0
1/28/ACC-	0.43	-0.13	-0.02	-0.01	0	0
2/3/ULS+	4.79	1.86	-0.42	0	0.23	0.3
2/3/ULS-	1.31	0.48	-1.61	0	0.06	0.08
2/3/SLS+	3.33	1.29	-0.42	0	0.16	0.21
2/3/SLS-	1.31	0.48	-1.12	0	0.06	0.08
2/3/SLS:CHR+	3.33	1.29	-0.42	0	0.16	0.21
2/3/SLS:CHR-	1.31	0.48	-1.12	0	0.06	0.08
2/3/SLS:FRE+	2.72	1.04	-0.42	0	0.13	0.17
2/3/SLS:FRE-	1.31	0.48	-0.91	0	0.06	0.08
2/3/SLS:QPR+	2.52	0.96	-0.42	0	0.12	0.16
2/3/SLS:QPR-	1.31	0.48	-0.84	0	0.06	0.08
2/3/ACC+	3.05	2.59	0.66	0	0.47	0.69
2/3/ACC-	0.78	-1.15	-1.92	0	-0.29	-0.46
2/4/ULS+	4.69	1.86	-0.42	0	-0.13	-0.14
2/4/ULS-	1.24	0.48	-1.61	0	-0.5	-0.53
2/4/SLS+	3.25	1.29	-0.42	0	-0.13	-0.14
2/4/SLS-	1.24	0.48	-1.12	0	-0.34	-0.37

2/4/SLS:CHR+	3.25	1.29	-0.42	0	-0.13	-0.14
2/4/SLS:CHR-	1.24	0.48	-1.12	0	-0.34	-0.37
2/4/SLS:FRE+	2.65	1.04	-0.42	0	-0.13	-0.14
2/4/SLS:FRE-	1.24	0.48	-0.91	0	-0.28	-0.3
2/4/SLS:QPR+	2.45	0.96	-0.42	0	-0.13	-0.14
2/4/SLS:QPR-	1.24	0.48	-0.84	0	-0.26	-0.28
2/4/ACC+	2.98	2.59	0.66	0	0	0.06
2/4/ACC-	0.71	-1.15	-1.92	0	-0.39	-0.47
3/296/ULS+	2.24	0.1	0.02	0.01	0.01	0.07
3/296/ULS-	0.64	0.03	0.01	0	0	0.02
3/296/SLS+	1.56	0.07	0.02	0.01	0	0.05
3/296/SLS-	0.64	0.03	0.01	0	0	0.02
3/296/SLS:CHR+	1.56	0.07	0.02	0.01	0	0.05
3/296/SLS:CHR-	0.64	0.03	0.01	0	0	0.02
3/296/SLS:FRE+	1.28	0.06	0.02	0.01	0	0.04
3/296/SLS:FRE-	0.64	0.03	0.01	0	0	0.02
3/296/SLS:QPR+	1.19	0.05	0.02	0.01	0	0.04
3/296/SLS:QPR-	0.64	0.03	0.01	0	0	0.02
3/296/ACC+	1.54	0.19	0.02	0.01	0	0.13
3/296/ACC-	0.29	-0.1	0.01	0	0	-0.07
3/30/ULS+	2.28	0.1	-0.02	0.01	0	0
3/30/ULS-	0.66	0.03	-0.03	0	0	0
3/30/SLS+	1.58	0.07	-0.02	0.01	0	0
3/30/SLS-	0.66	0.03	-0.03	0	0	0
3/30/SLS:CHR+	1.58	0.07	-0.02	0.01	0	0
3/30/SLS:CHR-	0.66	0.03	-0.03	0	0	0
3/30/SLS:FRE+	1.31	0.06	-0.02	0.01	0	0
3/30/SLS:FRE-	0.66	0.03	-0.02	0	0	0
3/30/SLS:QPR+	1.22	0.05	-0.02	0.01	0	0
3/30/SLS:QPR-	0.66	0.03	-0.02	0	0	0
3/30/ACC+	1.57	0.19	-0.02	0.01	0	0
3/30/ACC-	0.31	-0.1	-0.02	0	0	0
4/7/ULS+	8.41	1.97	0.12	0	0	0.51
4/7/ULS-	2.32	0.5	0.03	0	-0.01	0.13
4/7/SLS+	5.84	1.36	0.08	0	0	0.35
4/7/SLS-	2.32	0.5	0.03	0	-0.01	0.13
4/7/SLS:CHR+	5.84	1.36	0.08	0	0	0.35
4/7/SLS:CHR-	2.32	0.5	0.03	0	-0.01	0.13
4/7/SLS:FRE+	4.78	1.1	0.07	0	0	0.28
4/7/SLS:FRE-	2.32	0.5	0.03	0	-0.01	0.13
4/7/SLS:QPR+	4.43	1.02	0.06	0	0	0.26
4/7/SLS:QPR-	2.32	0.5	0.03	0	-0.01	0.13
4/7/ACC+	5.58	2.22	1.28	0	0.37	0.58
4/7/ACC-	1.16	-0.71	-1.19	0	-0.38	-0.19

4/8/ULS+	5.16	0.36	-0.37	0	-0.12	-0.12
4/8/ULS-	1.38	0.1	-1.43	0	-0.46	-0.45
4/8/SLS+	3.58	0.25	-0.37	0	-0.12	-0.12
4/8/SLS-	1.38	0.1	-0.99	0	-0.32	-0.31
4/8/SLS:CHR+	3.58	0.25	-0.37	0	-0.12	-0.12
4/8/SLS:CHR-	1.38	0.1	-0.99	0	-0.32	-0.31
4/8/SLS:FRE+	2.92	0.2	-0.37	0	-0.12	-0.12
4/8/SLS:FRE-	1.38	0.1	-0.81	0	-0.26	-0.25
4/8/SLS:QPR+	2.7	0.19	-0.37	0	-0.12	-0.12
4/8/SLS:QPR-	1.38	0.1	-0.75	0	-0.24	-0.23
4/8/ACC+	3.77	1.06	0.12	0	-0.11	-0.04
4/8/ACC-	0.3	-0.78	-1.24	0	-0.25	-0.31
6/11/ULS+	8.27	3.05	0.23	0	-0.02	0.6
6/11/ULS-	2.27	0.78	0.06	0	-0.07	0.15
6/11/SLS+	5.74	2.11	0.16	0	-0.02	0.41
6/11/SLS-	2.27	0.78	0.06	0	-0.05	0.15
6/11/SLS:CHR+	5.74	2.11	0.16	0	-0.02	0.41
6/11/SLS:CHR-	2.27	0.78	0.06	0	-0.05	0.15
6/11/SLS:FRE+	4.7	1.71	0.13	0	-0.02	0.33
6/11/SLS:FRE-	2.27	0.78	0.06	0	-0.04	0.15
6/11/SLS:QPR+	4.35	1.58	0.12	0	-0.02	0.31
6/11/SLS:QPR-	2.27	0.78	0.06	0	-0.04	0.15
6/11/ACC+	5.39	3.07	3.46	0	0.85	0.61
6/11/ACC-	1.23	-0.72	-3.28	0	-0.9	-0.15
6/12/ULS+	4.96	0.57	-0.32	0	-0.11	-0.12
6/12/ULS-	1.33	0.15	-1.22	0	-0.43	-0.47
6/12/SLS+	3.44	0.39	-0.32	0	-0.11	-0.12
6/12/SLS-	1.33	0.15	-0.84	0	-0.3	-0.33
6/12/SLS:CHR+	3.44	0.39	-0.32	0	-0.11	-0.12
6/12/SLS:CHR-	1.33	0.15	-0.84	0	-0.3	-0.33
6/12/SLS:FRE+	2.81	0.32	-0.32	0	-0.11	-0.12
6/12/SLS:FRE-	1.33	0.15	-0.68	0	-0.24	-0.26
6/12/SLS:QPR+	2.6	0.29	-0.32	0	-0.11	-0.12
6/12/SLS:QPR-	1.33	0.15	-0.63	0	-0.22	-0.24
6/12/ACC+	3.57	0.84	-0.27	0	0.02	-0.05
6/12/ACC-	0.36	-0.39	-0.67	0	-0.36	-0.31
7/13/ULS+	7.19	-0.14	0.44	0	-0.04	-0.05
7/13/ULS-	2.03	-0.57	0.12	0	-0.14	-0.2
7/13/SLS+	4.99	-0.14	0.31	0	-0.04	-0.05
7/13/SLS-	2.03	-0.4	0.12	0	-0.1	-0.14
7/13/SLS:CHR+	4.99	-0.14	0.31	0	-0.04	-0.05
7/13/SLS:CHR-	2.03	-0.4	0.12	0	-0.1	-0.14
7/13/SLS:FRE+	4.1	-0.14	0.25	0	-0.04	-0.05
7/13/SLS:FRE-	2.03	-0.32	0.12	0	-0.08	-0.11

7/13/SLS:QPR+	3.81	-0.14	0.23	0	-0.04	-0.05
7/13/SLS:QPR-	2.03	-0.3	0.12	0	-0.07	-0.1
7/13/ACC+	6.74	0.72	1.4	0	0.41	0.26
7/13/ACC-	-0.91	-1.16	-1.05	0	-0.52	-0.41
7/14/ULS+	4.84	-0.13	-0.11	0	0	0.35
7/14/ULS-	1.29	-0.55	-0.41	0	0	0.09
7/14/SLS+	3.36	-0.13	-0.11	0	0	0.24
7/14/SLS-	1.29	-0.38	-0.28	0	0	0.09
7/14/SLS:CHR+	3.36	-0.13	-0.11	0	0	0.24
7/14/SLS:CHR-	1.29	-0.38	-0.28	0	0	0.09
7/14/SLS:FRE+	2.74	-0.13	-0.11	0	0	0.19
7/14/SLS:FRE-	1.29	-0.31	-0.23	0	0	0.09
7/14/SLS:QPR+	2.53	-0.13	-0.11	0	0	0.18
7/14/SLS:QPR-	1.29	-0.28	-0.21	0	0	0.09
7/14/ACC+	5.38	0.82	1.39	0	0.21	0.26
7/14/ACC-	-1.56	-1.24	-1.71	0	-0.21	0
8/15/ULS+	10.46	1.3	0.6	0	-0.05	0.44
8/15/ULS-	2.84	0.33	0.16	0	-0.19	0.11
8/15/SLS+	7.26	0.9	0.41	0	-0.05	0.31
8/15/SLS-	2.84	0.33	0.16	0	-0.13	0.11
8/15/SLS:CHR+	7.26	0.9	0.41	0	-0.05	0.31
8/15/SLS:CHR-	2.84	0.33	0.16	0	-0.13	0.11
8/15/SLS:FRE+	5.93	0.73	0.34	0	-0.05	0.25
8/15/SLS:FRE-	2.84	0.33	0.16	0	-0.11	0.11
8/15/SLS:QPR+	5.49	0.67	0.31	0	-0.05	0.23
8/15/SLS:QPR-	2.84	0.33	0.16	0	-0.1	0.11
8/15/ACC+	8	1.53	1.69	0	0.5	0.54
8/15/ACC-	0.33	-0.53	-1.23	0	-0.64	-0.2
8/16/ULS+	7.15	0.99	-0.15	0	0	-0.17
8/16/ULS-	1.86	0.24	-0.56	0	0	-0.69
8/16/SLS+	4.95	0.68	-0.15	0	0	-0.17
8/16/SLS-	1.86	0.24	-0.39	0	0	-0.48
8/16/SLS:CHR+	4.95	0.68	-0.15	0	0	-0.17
8/16/SLS:CHR-	1.86	0.24	-0.39	0	0	-0.48
8/16/SLS:FRE+	4.03	0.55	-0.15	0	0	-0.17
8/16/SLS:FRE-	1.86	0.24	-0.32	0	0	-0.38
8/16/SLS:QPR+	3.72	0.5	-0.15	0	0	-0.17
8/16/SLS:QPR-	1.86	0.24	-0.29	0	0	-0.35
8/16/ACC+	6.36	1.45	1.49	0	0.22	-0.09
8/16/ACC-	-0.79	-0.7	-1.93	0	-0.22	-0.44
10/4/ULS+	1.48	1.64	2.53	0.02	-0.13	0.2
10/4/ULS-	0.39	0.4	0.68	0	-0.49	0.05
10/4/SLS+	1.03	1.14	1.76	0.01	-0.13	0.14
10/4/SLS-	0.39	0.4	0.68	0	-0.34	0.05

10/4/SLS:CHR+	1.03	1.14	1.76	0.01	-0.13	0.14
10/4/SLS:CHR-	0.39	0.4	0.68	0	-0.34	0.05
10/4/SLS:FRE+	0.84	0.91	1.43	0.01	-0.13	0.11
10/4/SLS:FRE-	0.39	0.4	0.68	0	-0.28	0.05
10/4/SLS:QPR+	0.77	0.84	1.32	0.01	-0.13	0.1
10/4/SLS:QPR-	0.39	0.4	0.68	0	-0.26	0.05
10/4/ACC+	1.2	1.89	1.77	0.01	0.08	0.31
10/4/ACC-	-0.03	-0.65	0.23	0	-0.47	-0.17
10/18/ULS+	1.55	-0.4	-0.81	-0.01	0	0
10/18/ULS-	0.41	-1.61	-3.08	-0.05	0	0
10/18/SLS+	1.08	-0.4	-0.81	-0.01	0	0
10/18/SLS-	0.41	-1.11	-2.13	-0.04	0	0
10/18/SLS:CHR+	1.08	-0.4	-0.81	-0.01	0	0
10/18/SLS:CHR-	0.41	-1.11	-2.13	-0.04	0	0
10/18/SLS:FRE+	0.87	-0.4	-0.81	-0.01	0	0
10/18/SLS:FRE-	0.41	-0.9	-1.74	-0.03	0	0
10/18/SLS:QPR+	0.81	-0.4	-0.81	-0.01	0	0
10/18/SLS:QPR-	0.41	-0.83	-1.6	-0.03	0	0
10/18/ACC+	2.52	1.67	-0.34	-0.01	0	0
10/18/ACC-	-1.31	-2.91	-2.07	-0.03	0	0
12/8/ULS+	1.33	1.61	2.49	0.02	-0.12	0.17
12/8/ULS-	0.35	0.39	0.67	0	-0.45	0.04
12/8/SLS+	0.92	1.12	1.73	0.01	-0.12	0.12
12/8/SLS-	0.35	0.39	0.67	0	-0.31	0.04
12/8/SLS:CHR+	0.92	1.12	1.73	0.01	-0.12	0.12
12/8/SLS:CHR-	0.35	0.39	0.67	0	-0.31	0.04
12/8/SLS:FRE+	0.75	0.9	1.41	0.01	-0.12	0.1
12/8/SLS:FRE-	0.35	0.39	0.67	0	-0.25	0.04
12/8/SLS:QPR+	0.69	0.83	1.3	0.01	-0.12	0.09
12/8/SLS:QPR-	0.35	0.39	0.67	0	-0.24	0.04
12/8/ACC+	1.89	1.96	1.61	0.01	-0.03	0.34
12/8/ACC-	-0.85	-0.74	0.35	0	-0.32	-0.21
12/20/ULS+	1.44	-0.63	-0.83	-0.01	0	0
12/20/ULS-	0.38	-2.49	-3.16	-0.05	0	0
12/20/SLS+	1	-0.63	-0.83	-0.01	0	0
12/20/SLS-	0.38	-1.72	-2.19	-0.03	0	0
12/20/SLS:CHR+	1	-0.63	-0.83	-0.01	0	0
12/20/SLS:CHR-	0.38	-1.72	-2.19	-0.03	0	0
12/20/SLS:FRE+	0.81	-0.63	-0.83	-0.01	0	0
12/20/SLS:FRE-	0.38	-1.39	-1.78	-0.03	0	0
12/20/SLS:QPR+	0.75	-0.63	-0.83	-0.01	0	0
12/20/SLS:QPR-	0.38	-1.28	-1.65	-0.02	0	0
12/20/ACC+	4.09	1.39	-0.49	-0.01	0	0
12/20/ACC-	-2.97	-3.3	-1.99	-0.03	0	0

14/12/ULS+	1.12	1.42	2.43	0.02	-0.11	0.16
14/12/ULS-	0.29	0.34	0.65	0	-0.41	0.04
14/12/SLS+	0.77	0.98	1.69	0.01	-0.11	0.11
14/12/SLS-	0.29	0.34	0.65	0	-0.29	0.04
14/12/SLS:CHR+	0.77	0.98	1.69	0.01	-0.11	0.11
14/12/SLS:CHR-	0.29	0.34	0.65	0	-0.29	0.04
14/12/SLS:FRE+	0.63	0.79	1.38	0.01	-0.11	0.09
14/12/SLS:FRE-	0.29	0.34	0.65	0	-0.23	0.04
14/12/SLS:QPR+	0.58	0.72	1.27	0.01	-0.11	0.08
14/12/SLS:QPR-	0.29	0.34	0.65	0	-0.22	0.04
14/12/ACC+	1.41	2.16	1.78	0.01	0.16	0.43
14/12/ACC-	-0.54	-1.09	0.15	0	-0.48	-0.31
14/22/ULS+	1.16	-0.09	-0.82	-0.01	0	0
14/22/ULS-	0.3	-0.31	-3.09	-0.06	0	0
14/22/SLS+	0.8	-0.09	-0.82	-0.01	0	0
14/22/SLS-	0.3	-0.22	-2.14	-0.04	0	0
14/22/SLS:CHR+	0.8	-0.09	-0.82	-0.01	0	0
14/22/SLS:CHR-	0.3	-0.22	-2.14	-0.04	0	0
14/22/SLS:FRE+	0.65	-0.09	-0.82	-0.01	0	0
14/22/SLS:FRE-	0.3	-0.18	-1.74	-0.03	0	0
14/22/SLS:QPR+	0.6	-0.09	-0.82	-0.01	0	0
14/22/SLS:QPR-	0.3	-0.17	-1.61	-0.03	0	0
14/22/ACC+	3.62	1.71	-0.33	-0.01	0	0
14/22/ACC-	-2.72	-1.97	-2.1	-0.03	0	0
23/23/ULS+	10	-0.25	0	0	0	-0.09
23/23/ULS-	2.71	-1.03	0	0	-0.01	-0.36
23/23/SLS+	6.94	-0.25	0	0	0	-0.09
23/23/SLS-	2.71	-0.71	0	0	0	-0.25
23/23/SLS:CHR+	6.94	-0.25	0	0	0	-0.09
23/23/SLS:CHR-	2.71	-0.71	0	0	0	-0.25
23/23/SLS:FRE+	5.67	-0.25	0	0	0	-0.09
23/23/SLS:FRE-	2.71	-0.57	0	0	0	-0.2
23/23/SLS:QPR+	5.25	-0.25	0	0	0	-0.09
23/23/SLS:QPR-	2.71	-0.52	0	0	0	-0.18
23/23/ACC+	8.96	-0.06	0.25	0	0.02	0.04
23/23/ACC-	-1.01	-0.71	-0.25	0	-0.03	-0.31
23/24/ULS+	9.78	-0.25	0	0	0	0.67
23/24/ULS-	2.54	-1.03	0	0	-0.01	0.16
23/24/SLS+	6.78	-0.25	0	0	0	0.46
23/24/SLS-	2.54	-0.71	0	0	0	0.16
23/24/SLS:CHR+	6.78	-0.25	0	0	0	0.46
23/24/SLS:CHR-	2.54	-0.71	0	0	0	0.16
23/24/SLS:FRE+	5.51	-0.25	0	0	0	0.37
23/24/SLS:FRE-	2.54	-0.57	0	0	0	0.16

23/24/SLS:QPR+	5.08	-0.25	0	0	0	0.34
23/24/SLS:QPR-	2.54	-0.52	0	0	0	0.16
23/24/ACC+	8.8	-0.06	0.25	0	0.26	0.4
23/24/ACC-	-1.17	-0.71	-0.25	0	-0.26	0.11
24/25/ULS+	14.39	2.09	0.01	0	0	0.74
24/25/ULS-	3.76	0.5	0	0	-0.01	0.18
24/25/SLS+	9.97	1.45	0	0	0	0.51
24/25/SLS-	3.76	0.5	0	0	-0.01	0.18
24/25/SLS:CHR+	9.97	1.45	0	0	0	0.51
24/25/SLS:CHR-	3.76	0.5	0	0	-0.01	0.18
24/25/SLS:FRE+	8.1	1.16	0	0	0	0.41
24/25/SLS:FRE-	3.76	0.5	0	0	-0.01	0.18
24/25/SLS:QPR+	7.48	1.07	0	0	0	0.38
24/25/SLS:QPR-	3.76	0.5	0	0	-0.01	0.18
24/25/ACC+	10.39	1.21	0.26	0.01	0.04	0.5
24/25/ACC-	0.85	0.35	-0.25	-0.01	-0.05	0.06
24/26/ULS+	14.16	2.09	0.01	0	0	-0.32
24/26/ULS-	3.6	0.5	0	0	-0.01	-1.36
24/26/SLS+	9.8	1.45	0	0	0	-0.32
24/26/SLS-	3.6	0.5	0	0	0	-0.94
24/26/SLS:CHR+	9.8	1.45	0	0	0	-0.32
24/26/SLS:CHR-	3.6	0.5	0	0	0	-0.94
24/26/SLS:FRE+	7.94	1.16	0	0	0	-0.32
24/26/SLS:FRE-	3.6	0.5	0	0	0	-0.75
24/26/SLS:QPR+	7.32	1.07	0	0	0	-0.32
24/26/SLS:QPR-	3.6	0.5	0	0	0	-0.69
24/26/ACC+	10.23	1.21	0.26	0.01	0.29	-0.3
24/26/ACC-	0.69	0.35	-0.25	-0.01	-0.29	-0.72
25/27/ULS+	7.77	-0.07	-0.19	0	0.2	-0.03
25/27/ULS-	2.3	-0.29	-0.62	0	0.06	-0.14
25/27/SLS+	5.41	-0.07	-0.19	0	0.14	-0.03
25/27/SLS-	2.3	-0.2	-0.43	0	0.06	-0.1
25/27/SLS:CHR+	5.41	-0.07	-0.19	0	0.14	-0.03
25/27/SLS:CHR-	2.3	-0.2	-0.43	0	0.06	-0.1
25/27/SLS:FRE+	4.48	-0.07	-0.19	0	0.12	-0.03
25/27/SLS:FRE-	2.3	-0.16	-0.36	0	0.06	-0.08
25/27/SLS:QPR+	4.16	-0.07	-0.19	0	0.11	-0.03
25/27/SLS:QPR-	2.3	-0.15	-0.33	0	0.06	-0.07
25/27/ACC+	7.97	1.1	0.14	0	0.13	0.51
25/27/ACC-	-1.51	-1.32	-0.67	0	0.04	-0.61
25/37/ULS+	2.04	-0.09	1.17	0	0.04	0.23
25/37/ULS-	0.58	-0.29	0.35	0	0.01	0.06
25/37/SLS+	1.42	-0.09	0.81	0	0.03	0.16
25/37/SLS-	0.58	-0.2	0.35	0	0.01	0.06

25/37/SLS:CHR+	1.42	-0.09	0.81	0	0.03	0.16
25/37/SLS:CHR-	0.58	-0.2	0.35	0	0.01	0.06
25/37/SLS:FRE+	1.17	-0.09	0.67	0	0.02	0.13
25/37/SLS:FRE-	0.58	-0.17	0.35	0	0.01	0.06
25/37/SLS:QPR+	1.08	-0.09	0.63	0	0.02	0.12
25/37/SLS:QPR-	0.58	-0.16	0.35	0	0.01	0.06
25/37/ACC+	3.88	2.55	1.54	0	0.07	0.54
25/37/ACC-	-2.21	-2.8	-0.57	0	-0.03	-0.36
26/29/ULS+	11.57	0.69	-0.2	0	0.21	0.33
26/29/ULS-	3.25	0.17	-0.68	0	0.06	0.08
26/29/SLS+	8.04	0.48	-0.2	0	0.15	0.23
26/29/SLS-	3.25	0.17	-0.47	0	0.06	0.08
26/29/SLS:CHR+	8.04	0.48	-0.2	0	0.15	0.23
26/29/SLS:CHR-	3.25	0.17	-0.47	0	0.06	0.08
26/29/SLS:FRE+	6.6	0.39	-0.2	0	0.12	0.18
26/29/SLS:FRE-	3.25	0.17	-0.39	0	0.06	0.08
26/29/SLS:QPR+	6.12	0.36	-0.2	0	0.12	0.17
26/29/SLS:QPR-	3.25	0.17	-0.37	0	0.06	0.08
26/29/ACC+	9.69	1.5	0.32	0	0.16	0.7
26/29/ACC-	-0.32	-0.97	-0.89	0	0.02	-0.45
26/38/ULS+	3.89	0.73	1.34	0	0.07	-0.15
26/38/ULS-	1.06	0.2	0.39	-0.01	0.02	-0.56
26/38/SLS+	2.7	0.51	0.93	0	0.05	-0.15
26/38/SLS-	1.06	0.2	0.39	0	0.02	-0.39
26/38/SLS:CHR+	2.7	0.51	0.93	0	0.05	-0.15
26/38/SLS:CHR-	1.06	0.2	0.39	0	0.02	-0.39
26/38/SLS:FRE+	2.21	0.42	0.77	0	0.04	-0.15
26/38/SLS:FRE-	1.06	0.2	0.39	0	0.02	-0.31
26/38/SLS:QPR+	2.04	0.39	0.72	0	0.04	-0.15
26/38/SLS:QPR-	1.06	0.2	0.39	0	0.02	-0.29
26/38/ACC+	4.54	2.9	2	0	0.07	0.24
26/38/ACC-	-1.45	-2.31	-0.89	-0.01	-0.01	-0.67
27/14/ULS+	-0.03	-0.1	2.35	0	0	0
27/14/ULS-	-0.08	-0.42	0.65	-0.01	0	0
27/14/SLS+	-0.03	-0.1	1.63	0	0	0
27/14/SLS-	-0.06	-0.29	0.65	-0.01	0	0
27/14/SLS:CHR+	-0.03	-0.1	1.63	0	0	0
27/14/SLS:CHR-	-0.06	-0.29	0.65	-0.01	0	0
27/14/SLS:FRE+	-0.03	-0.1	1.34	0	0	0
27/14/SLS:FRE-	-0.05	-0.23	0.65	-0.01	0	0
27/14/SLS:QPR+	-0.03	-0.1	1.24	0	0	0
27/14/SLS:QPR-	-0.05	-0.21	0.65	-0.01	0	0
27/14/ACC+	0.57	1.86	1.47	0	0	0
27/14/ACC-	-0.64	-2.17	0.41	-0.01	0	0

27/24/ULS+	-0.03	0.43	-0.65	0.01	0	0
27/24/ULS-	-0.08	0.1	-2.35	0	0	0
27/24/SLS+	-0.03	0.29	-0.65	0.01	0	0
27/24/SLS-	-0.05	0.1	-1.63	0	0	0
27/24/SLS:CHR+	-0.03	0.29	-0.65	0.01	0	0
27/24/SLS:CHR-	-0.05	0.1	-1.63	0	0	0
27/24/SLS:FRE+	-0.03	0.24	-0.65	0.01	0	0
27/24/SLS:FRE-	-0.05	0.1	-1.34	0	0	0
27/24/SLS:QPR+	-0.03	0.22	-0.65	0.01	0	0
27/24/SLS:QPR-	-0.04	0.1	-1.24	0	0	0
27/24/ACC+	1.59	2.16	-0.42	0.01	0	0
27/24/ACC-	-1.66	-1.84	-1.47	0	0	0
28/24/ULS+	-0.12	-0.09	2.56	0	0	0
28/24/ULS-	-0.4	-0.37	0.7	-0.01	0	0
28/24/SLS+	-0.12	-0.09	1.77	0	0	0
28/24/SLS-	-0.28	-0.25	0.7	-0.01	0	0
28/24/SLS:CHR+	-0.12	-0.09	1.77	0	0	0
28/24/SLS:CHR-	-0.28	-0.25	0.7	-0.01	0	0
28/24/SLS:FRE+	-0.12	-0.09	1.45	0	0	0
28/24/SLS:FRE-	-0.23	-0.2	0.7	-0.01	0	0
28/24/SLS:QPR+	-0.12	-0.09	1.34	0	0	0
28/24/SLS:QPR-	-0.21	-0.19	0.7	-0.01	0	0
28/24/ACC+	2.23	1.19	1.52	0	0	0
28/24/ACC-	-2.56	-1.46	0.52	-0.01	0	0
28/28/ULS+	-0.1	-0.03	-1.11	0.03	0	0
28/28/ULS-	-0.31	-0.04	-4.23	0.01	0	0
28/28/SLS+	-0.1	-0.03	-1.11	0.02	0	0
28/28/SLS-	-0.21	-0.03	-2.93	0.01	0	0
28/28/SLS:CHR+	-0.1	-0.03	-1.11	0.02	0	0
28/28/SLS:CHR-	-0.21	-0.03	-2.93	0.01	0	0
28/28/SLS:FRE+	-0.1	-0.03	-1.11	0.02	0	0
28/28/SLS:FRE-	-0.18	-0.03	-2.39	0.01	0	0
28/28/SLS:QPR+	-0.1	-0.03	-1.11	0.02	0	0
28/28/SLS:QPR-	-0.17	-0.03	-2.2	0.01	0	0
28/28/ACC+	1.13	3.87	-0.62	0.03	0	0
28/28/ACC-	-1.4	-3.93	-2.69	0	0	0
29/16/ULS+	-0.05	0.8	3.28	0.03	0	0
29/16/ULS-	-0.15	0.19	0.86	0.01	0	0
29/16/SLS+	-0.05	0.55	2.27	0.02	0	0
29/16/SLS-	-0.1	0.19	0.86	0.01	0	0
29/16/SLS:CHR+	-0.05	0.55	2.27	0.02	0	0
29/16/SLS:CHR-	-0.1	0.19	0.86	0.01	0	0
29/16/SLS:FRE+	-0.05	0.44	1.85	0.02	0	0
29/16/SLS:FRE-	-0.09	0.19	0.86	0.01	0	0

29/16/SLS:QPR+	-0.05	0.4	1.71	0.01	0	0
29/16/SLS:QPR-	-0.08	0.19	0.86	0.01	0	0
29/16/ACC+	0.75	2.4	1.9	0.02	0	0
29/16/ACC-	-0.88	-1.8	0.67	0	0	0
29/26/ULS+	-0.05	-0.19	-0.86	-0.01	0	0
29/26/ULS-	-0.14	-0.8	-3.28	-0.03	0	0
29/26/SLS+	-0.05	-0.19	-0.86	-0.01	0	0
29/26/SLS-	-0.1	-0.55	-2.27	-0.02	0	0
29/26/SLS:CHR+	-0.05	-0.19	-0.86	-0.01	0	0
29/26/SLS:CHR-	-0.1	-0.55	-2.27	-0.02	0	0
29/26/SLS:FRE+	-0.05	-0.19	-0.86	-0.01	0	0
29/26/SLS:FRE-	-0.08	-0.44	-1.85	-0.01	0	0
29/26/SLS:QPR+	-0.05	-0.19	-0.86	-0.01	0	0
29/26/SLS:QPR-	-0.08	-0.41	-1.71	-0.01	0	0
29/26/ACC+	1.82	1.8	-0.67	0	0	0
29/26/ACC-	-1.94	-2.39	-1.9	-0.02	0	0
30/26/ULS+	-0.18	0.72	3.45	0.02	0	0
30/26/ULS-	-0.6	0.17	0.91	0.01	0	0
30/26/SLS+	-0.18	0.5	2.39	0.02	0	0
30/26/SLS-	-0.42	0.17	0.91	0.01	0	0
30/26/SLS:CHR+	-0.18	0.5	2.39	0.02	0	0
30/26/SLS:CHR-	-0.42	0.17	0.91	0.01	0	0
30/26/SLS:FRE+	-0.18	0.4	1.95	0.01	0	0
30/26/SLS:FRE-	-0.35	0.17	0.91	0.01	0	0
30/26/SLS:QPR+	-0.18	0.37	1.8	0.01	0	0
30/26/SLS:QPR-	-0.32	0.17	0.91	0.01	0	0
30/26/ACC+	2.65	1.65	2.01	0.01	0	0
30/26/ACC-	-3.15	-1.11	0.7	0	0	0
30/30/ULS+	-0.16	0.15	-1.57	-0.02	0	0
30/30/ULS-	-0.51	0.06	-6.15	-0.09	0	0
30/30/SLS+	-0.16	0.1	-1.57	-0.02	0	0
30/30/SLS-	-0.35	0.06	-4.26	-0.06	0	0
30/30/SLS:CHR+	-0.16	0.1	-1.57	-0.02	0	0
30/30/SLS:CHR-	-0.35	0.06	-4.26	-0.06	0	0
30/30/SLS:FRE+	-0.16	0.09	-1.57	-0.02	0	0
30/30/SLS:FRE-	-0.29	0.06	-3.45	-0.05	0	0
30/30/SLS:QPR+	-0.16	0.09	-1.57	-0.02	0	0
30/30/SLS:QPR-	-0.27	0.06	-3.18	-0.05	0	0
30/30/ACC+	1.14	3.84	-1.2	-0.01	0	0
30/30/ACC-	-1.57	-3.69	-3.56	-0.06	0	0
41/39/ULS+	10.22	-0.2	-0.9	0	0.48	-0.03
41/39/ULS-	2.68	-0.79	-3.58	0	0.12	-0.13
41/39/SLS+	7.08	-0.2	-0.9	0	0.33	-0.03
41/39/SLS-	2.68	-0.55	-2.48	0	0.12	-0.09

41/39/SLS:CHR+	7.08	-0.2	-0.9	0	0.33	-0.03
41/39/SLS:CHR-	2.68	-0.55	-2.48	0	0.12	-0.09
41/39/SLS:FRE+	5.76	-0.2	-0.9	0	0.27	-0.03
41/39/SLS:FRE-	2.68	-0.44	-2	0	0.12	-0.08
41/39/SLS:QPR+	5.32	-0.2	-0.9	0	0.25	-0.03
41/39/SLS:QPR-	2.68	-0.41	-1.85	0	0.12	-0.07
41/39/ACC+	6.36	2.08	2.33	0	1.28	0.61
41/39/ACC-	1.63	-2.69	-5.08	0	-0.91	-0.71
41/40/ULS+	10.12	-0.2	-0.9	0	-0.28	0.22
41/40/ULS-	2.6	-0.79	-3.58	0	-1.13	0.06
41/40/SLS+	7.01	-0.2	-0.9	0	-0.28	0.15
41/40/SLS-	2.6	-0.55	-2.48	0	-0.78	0.06
41/40/SLS:CHR+	7.01	-0.2	-0.9	0	-0.28	0.15
41/40/SLS:CHR-	2.6	-0.55	-2.48	0	-0.78	0.06
41/40/SLS:FRE+	5.69	-0.2	-0.9	0	-0.28	0.12
41/40/SLS:FRE-	2.6	-0.44	-2	0	-0.63	0.06
41/40/SLS:QPR+	5.25	-0.2	-0.9	0	-0.28	0.11
41/40/SLS:QPR-	2.6	-0.41	-1.85	0	-0.58	0.06
41/40/ACC+	6.29	2.08	2.33	0	0.14	0.5
41/40/ACC-	1.56	-2.69	-5.08	0	-1.01	-0.33
42/41/ULS+	17.42	-0.13	0.35	0	-0.01	-0.03
42/41/ULS-	4.59	-0.5	0.09	0	-0.05	-0.13
42/41/SLS+	12.07	-0.13	0.24	0	-0.01	-0.03
42/41/SLS-	4.59	-0.35	0.09	0	-0.04	-0.09
42/41/SLS:CHR+	12.07	-0.13	0.24	0	-0.01	-0.03
42/41/SLS:CHR-	4.59	-0.35	0.09	0	-0.04	-0.09
42/41/SLS:FRE+	9.83	-0.13	0.2	0	-0.01	-0.03
42/41/SLS:FRE-	4.59	-0.28	0.09	0	-0.03	-0.07
42/41/SLS:QPR+	9.08	-0.13	0.18	0	-0.01	-0.03
42/41/SLS:QPR-	4.59	-0.26	0.09	0	-0.03	-0.07
42/41/ACC+	9.74	1.39	2.48	0	0.88	0.34
42/41/ACC-	3.93	-1.78	-2.21	0	-0.93	-0.44
42/42/ULS+	9.52	-0.03	-0.83	0	-0.26	0.12
42/42/ULS-	2.49	-0.1	-3.29	0	-1.04	0.03
42/42/SLS+	6.6	-0.03	-0.83	0	-0.26	0.08
42/42/SLS-	2.49	-0.07	-2.27	0	-0.72	0.03
42/42/SLS:CHR+	6.6	-0.03	-0.83	0	-0.26	0.08
42/42/SLS:CHR-	2.49	-0.07	-2.27	0	-0.72	0.03
42/42/SLS:FRE+	5.36	-0.03	-0.83	0	-0.26	0.07
42/42/SLS:FRE-	2.49	-0.06	-1.84	0	-0.58	0.03
42/42/SLS:QPR+	4.95	-0.03	-0.83	0	-0.26	0.06
42/42/SLS:QPR-	2.49	-0.05	-1.69	0	-0.54	0.03
42/42/ACC+	5.86	1.37	-0.38	0	0.03	0.25
42/42/ACC-	1.58	-1.45	-2.15	0	-0.83	-0.15

43/43/ULS+	17.57	-0.21	0.72	0	-0.06	-0.04
43/43/ULS-	4.61	-0.84	0.18	0	-0.25	-0.16
43/43/SLS+	12.18	-0.21	0.5	0	-0.06	-0.04
43/43/SLS-	4.61	-0.58	0.18	0	-0.17	-0.11
43/43/SLS:CHR+	12.18	-0.21	0.5	0	-0.06	-0.04
43/43/SLS:CHR-	4.61	-0.58	0.18	0	-0.17	-0.11
43/43/SLS:FRE+	9.91	-0.21	0.4	0	-0.06	-0.04
43/43/SLS:FRE-	4.61	-0.47	0.18	0	-0.14	-0.09
43/43/SLS:QPR+	9.15	-0.21	0.37	0	-0.06	-0.04
43/43/SLS:QPR-	4.61	-0.44	0.18	0	-0.13	-0.08
43/43/ACC+	10.25	1.77	9.64	0	3.11	0.34
43/43/ACC-	3.52	-2.42	-9.09	0	-3.3	-0.46
43/44/ULS+	9.66	-0.05	-0.64	0	-0.23	0.14
43/44/ULS-	2.52	-0.17	-2.55	0	-0.92	0.04
43/44/SLS+	6.69	-0.05	-0.64	0	-0.23	0.1
43/44/SLS-	2.52	-0.12	-1.76	0	-0.64	0.04
43/44/SLS:CHR+	6.69	-0.05	-0.64	0	-0.23	0.1
43/44/SLS:CHR-	2.52	-0.12	-1.76	0	-0.64	0.04
43/44/SLS:FRE+	5.44	-0.05	-0.64	0	-0.23	0.08
43/44/SLS:FRE-	2.52	-0.1	-1.43	0	-0.52	0.04
43/44/SLS:QPR+	5.02	-0.05	-0.64	0	-0.23	0.07
43/44/SLS:QPR-	2.52	-0.09	-1.32	0	-0.48	0.04
43/44/ACC+	6.9	0.87	4.01	0	1	0.18
43/44/ACC-	0.64	-1.01	-5.97	0	-1.71	-0.07
44/45/ULS+	22.28	-0.08	1.38	0	-0.12	-0.03
44/45/ULS-	5.73	-0.33	0.35	0	-0.48	-0.11
44/45/SLS+	15.43	-0.08	0.95	0	-0.12	-0.03
44/45/SLS-	5.73	-0.23	0.35	0	-0.33	-0.08
44/45/SLS:CHR+	15.43	-0.08	0.95	0	-0.12	-0.03
44/45/SLS:CHR-	5.73	-0.23	0.35	0	-0.33	-0.08
44/45/SLS:FRE+	12.52	-0.08	0.77	0	-0.12	-0.03
44/45/SLS:FRE-	5.73	-0.18	0.35	0	-0.27	-0.06
44/45/SLS:QPR+	11.55	-0.08	0.71	0	-0.12	-0.03
44/45/SLS:QPR-	5.73	-0.17	0.35	0	-0.25	-0.06
44/45/ACC+	13.43	0.95	2.18	0	1.53	0.32
44/45/ACC-	3.84	-1.2	-1.12	0	-1.9	-0.41
44/46/ULS+	14.05	-0.09	-0.3	0	0	0.21
44/46/ULS-	3.52	-0.35	-1.21	0	-0.01	0.05
44/46/SLS+	9.72	-0.09	-0.3	0	0	0.15
44/46/SLS-	3.52	-0.24	-0.84	0	-0.01	0.05
44/46/SLS:CHR+	9.72	-0.09	-0.3	0	0	0.15
44/46/SLS:CHR-	3.52	-0.24	-0.84	0	-0.01	0.05
44/46/SLS:FRE+	7.86	-0.09	-0.3	0	0	0.12
44/46/SLS:FRE-	3.52	-0.2	-0.68	0	-0.01	0.05

44/46/SLS:QPR+	7.24	-0.09	-0.3	0	0	0.11
44/46/SLS:QPR-	3.52	-0.18	-0.63	0	-0.01	0.05
44/46/ACC+	8.12	1.56	0.82	0	0.31	0.37
44/46/ACC-	2.64	-1.82	-1.75	0	-0.32	-0.2
45/40/ULS+	3.71	-0.11	5.84	0	-0.29	-0.02
45/40/ULS-	0.93	-0.46	1.49	0	-1.13	-0.09
45/40/SLS+	2.57	-0.11	4.04	0	-0.29	-0.02
45/40/SLS-	0.93	-0.32	1.49	0	-0.78	-0.06
45/40/SLS:CHR+	2.57	-0.11	4.04	0	-0.29	-0.02
45/40/SLS:CHR-	0.93	-0.32	1.49	0	-0.78	-0.06
45/40/SLS:FRE+	2.08	-0.11	3.28	0	-0.29	-0.02
45/40/SLS:FRE-	0.93	-0.26	1.49	0	-0.63	-0.05
45/40/SLS:QPR+	1.91	-0.11	3.02	0	-0.29	-0.02
45/40/SLS:QPR-	0.93	-0.24	1.49	0	-0.58	-0.05
45/40/ACC+	3.89	1	4	0	0.25	0.16
45/40/ACC-	-1.05	-1.35	0.51	0	-1.12	-0.22
45/47/ULS+	3.64	0.41	-1.97	0.01	0	0
45/47/ULS-	0.92	0.1	-7.72	0	0	0
45/47/SLS+	2.52	0.28	-1.97	0.01	0	0
45/47/SLS-	0.92	0.1	-5.35	0	0	0
45/47/SLS:CHR+	2.52	0.28	-1.97	0.01	0	0
45/47/SLS:CHR-	0.92	0.1	-5.35	0	0	0
45/47/SLS:FRE+	2.04	0.23	-1.97	0.01	0	0
45/47/SLS:FRE-	0.92	0.1	-4.33	0	0	0
45/47/SLS:QPR+	1.88	0.21	-1.97	0	0	0
45/47/SLS:QPR-	0.92	0.1	-4	0	0	0
45/47/ACC+	3.74	3.12	-0.96	0.01	0	0
45/47/ACC-	-0.95	-2.81	-5.01	0	0	0
46/42/ULS+	3.4	-0.11	5.75	0	-0.26	-0.02
46/42/ULS-	0.85	-0.44	1.46	0	-1.05	-0.08
46/42/SLS+	2.35	-0.11	3.98	0	-0.26	-0.02
46/42/SLS-	0.85	-0.3	1.46	0	-0.73	-0.05
46/42/SLS:CHR+	2.35	-0.11	3.98	0	-0.26	-0.02
46/42/SLS:CHR-	0.85	-0.3	1.46	0	-0.73	-0.05
46/42/SLS:FRE+	1.9	-0.11	3.22	0	-0.26	-0.02
46/42/SLS:FRE-	0.85	-0.24	1.46	0	-0.59	-0.04
46/42/SLS:QPR+	1.75	-0.11	2.97	0	-0.26	-0.02
46/42/SLS:QPR-	0.85	-0.23	1.46	0	-0.54	-0.04
46/42/ACC+	2.6	1.22	3.8	0	0.15	0.23
46/42/ACC-	0.01	-1.55	0.63	0	-0.95	-0.29
46/48/ULS+	3.27	0.67	-1.99	0.01	0	0
46/48/ULS-	0.82	0.17	-7.77	0	0	0
46/48/SLS+	2.26	0.46	-1.99	0.01	0	0
46/48/SLS-	0.82	0.17	-5.38	0	0	0

46/48/SLS:CHR+	2.26	0.46	-1.99	0.01	0	0
46/48/SLS:CHR-	0.82	0.17	-5.38	0	0	0
46/48/SLS:FRE+	1.83	0.37	-1.99	0.01	0	0
46/48/SLS:FRE-	0.82	0.17	-4.36	0	0	0
46/48/SLS:QPR+	1.69	0.34	-1.99	0	0	0
46/48/SLS:QPR-	0.82	0.17	-4.02	0	0	0
46/48/ACC+	6.3	3.25	-1.13	0.01	0	0
46/48/ACC-	-3.79	-2.74	-4.88	0	0	0
47/44/ULS+	2.64	-0.08	5.63	0	-0.24	-0.01
47/44/ULS-	0.66	-0.35	1.43	0	-0.94	-0.06
47/44/SLS+	1.83	-0.08	3.9	0	-0.24	-0.01
47/44/SLS-	0.66	-0.24	1.43	0	-0.65	-0.04
47/44/SLS:CHR+	1.83	-0.08	3.9	0	-0.24	-0.01
47/44/SLS:CHR-	0.66	-0.24	1.43	0	-0.65	-0.04
47/44/SLS:FRE+	1.48	-0.08	3.16	0	-0.24	-0.01
47/44/SLS:FRE-	0.66	-0.19	1.43	0	-0.53	-0.03
47/44/SLS:QPR+	1.36	-0.08	2.91	0	-0.24	-0.01
47/44/SLS:QPR-	0.66	-0.18	1.43	0	-0.48	-0.03
47/44/ACC+	4.79	1.7	4.78	0	1.12	0.49
47/44/ACC-	-2.76	-1.97	-0.43	0	-1.84	-0.54
47/49/ULS+	2.59	0	-2.05	0.01	0	0
47/49/ULS-	0.65	-0.02	-8.01	0	0	0
47/49/SLS+	1.79	0	-2.05	0.01	0	0
47/49/SLS-	0.65	-0.02	-5.55	0	0	0
47/49/SLS:CHR+	1.79	0	-2.05	0.01	0	0
47/49/SLS:CHR-	0.65	-0.02	-5.55	0	0	0
47/49/SLS:FRE+	1.45	0	-2.05	0.01	0	0
47/49/SLS:FRE-	0.65	-0.01	-4.5	0	0	0
47/49/SLS:QPR+	1.34	0	-2.05	0	0	0
47/49/SLS:QPR-	0.65	-0.01	-4.15	0	0	0
47/49/ACC+	1.74	2.67	-0.1	0.01	0	0
47/49/ACC-	0.25	-2.69	-6.09	0	0	0
48/53/ULS+	-0.2	0	0.11	0	0	0
48/53/ULS-	-0.74	0	0.08	0	0	0
48/53/SLS+	-0.2	0	0.08	0	0	0
48/53/SLS-	-0.51	0	0.08	0	0	0
48/53/SLS:CHR+	-0.2	0	0.08	0	0	0
48/53/SLS:CHR-	-0.51	0	0.08	0	0	0
48/53/SLS:FRE+	-0.2	0	0.08	0	0	0
48/53/SLS:FRE-	-0.42	0	0.08	0	0	0
48/53/SLS:QPR+	-0.2	0	0.08	0	0	0
48/53/SLS:QPR-	-0.39	0	0.08	0	0	0
48/53/ACC+	7.49	0	0.08	0	0	0
48/53/ACC-	-8.07	0	0.08	0	0	0

48/56/ULS+	-0.2	0	-0.08	0	0	0
48/56/ULS-	-0.74	0	-0.11	0	0	0
48/56/SLS+	-0.2	0	-0.08	0	0	0
48/56/SLS-	-0.51	0	-0.08	0	0	0
48/56/SLS:CHR+	-0.2	0	-0.08	0	0	0
48/56/SLS:CHR-	-0.51	0	-0.08	0	0	0
48/56/SLS:FRE+	-0.2	0	-0.08	0	0	0
48/56/SLS:FRE-	-0.42	0	-0.08	0	0	0
48/56/SLS:QPR+	-0.2	0	-0.08	0	0	0
48/56/SLS:QPR-	-0.39	0	-0.08	0	0	0
48/56/ACC+	7.49	0	-0.08	0	0	0
48/56/ACC-	-8.07	0	-0.08	0	0	0
53/50/ULS+	28.63	-0.15	0.08	0	-0.02	-0.05
53/50/ULS-	7.13	-0.64	0.02	0	-0.08	-0.22
53/50/SLS+	19.8	-0.15	0.05	0	-0.02	-0.05
53/50/SLS-	7.13	-0.44	0.02	0	-0.06	-0.15
53/50/SLS:CHR+	19.8	-0.15	0.05	0	-0.02	-0.05
53/50/SLS:CHR-	7.13	-0.44	0.02	0	-0.06	-0.15
53/50/SLS:FRE+	16	-0.15	0.04	0	-0.02	-0.05
53/50/SLS:FRE-	7.13	-0.36	0.02	0	-0.05	-0.12
53/50/SLS:QPR+	14.73	-0.15	0.04	0	-0.02	-0.05
53/50/SLS:QPR-	7.13	-0.33	0.02	0	-0.04	-0.11
53/50/ACC+	16.03	-0.12	1.01	0	1.45	0.02
53/50/ACC-	5.82	-0.36	-0.95	0	-1.52	-0.19
53/51/ULS+	28.41	-0.15	0.08	0	0	0.42
53/51/ULS-	6.96	-0.64	0.02	0	0	0.1
53/51/SLS+	19.63	-0.15	0.05	0	0	0.29
53/51/SLS-	6.96	-0.44	0.02	0	0	0.1
53/51/SLS:CHR+	19.63	-0.15	0.05	0	0	0.29
53/51/SLS:CHR-	6.96	-0.44	0.02	0	0	0.1
53/51/SLS:FRE+	15.83	-0.15	0.04	0	0	0.23
53/51/SLS:FRE-	6.96	-0.36	0.02	0	0	0.1
53/51/SLS:QPR+	14.57	-0.15	0.04	0	0	0.21
53/51/SLS:QPR-	6.96	-0.33	0.02	0	0	0.1
53/51/ACC+	15.87	-0.12	1.01	0	0.51	0.25
53/51/ACC-	5.66	-0.36	-0.95	0	-0.51	0.06
54/52/ULS+	21.07	-0.04	0.39	0	-0.04	-0.02
54/52/ULS-	5.44	-0.15	0.09	0	-0.18	-0.08
54/52/SLS+	14.59	-0.04	0.27	0	-0.04	-0.02
54/52/SLS-	5.44	-0.1	0.09	0	-0.12	-0.05
54/52/SLS:CHR+	14.59	-0.04	0.27	0	-0.04	-0.02
54/52/SLS:CHR-	5.44	-0.1	0.09	0	-0.12	-0.05
54/52/SLS:FRE+	11.85	-0.04	0.21	0	-0.04	-0.02
54/52/SLS:FRE-	5.44	-0.08	0.09	0	-0.1	-0.04

54/52/SLS:QPR+	10.93	-0.04	0.2	0	-0.04	-0.02
54/52/SLS:QPR-	5.44	-0.08	0.09	0	-0.09	-0.04
54/52/ACC+	21.65	1.4	6.95	0	3.29	0.63
54/52/ACC-	-5.27	-1.51	-6.66	0	-3.42	-0.69
54/53/ULS+	4.79	-0.15	-0.19	0	-0.02	0.32
54/53/ULS-	1.27	-0.66	-0.73	0	-0.08	0.07
54/53/SLS+	3.32	-0.15	-0.19	0	-0.02	0.22
54/53/SLS-	1.27	-0.46	-0.5	0	-0.06	0.07
54/53/SLS:CHR+	3.32	-0.15	-0.19	0	-0.02	0.22
54/53/SLS:CHR-	1.27	-0.46	-0.5	0	-0.06	0.07
54/53/SLS:FRE+	2.7	-0.15	-0.19	0	-0.02	0.18
54/53/SLS:FRE-	1.27	-0.36	-0.41	0	-0.05	0.07
54/53/SLS:QPR+	2.5	-0.15	-0.19	0	-0.02	0.16
54/53/SLS:QPR-	1.27	-0.33	-0.38	0	-0.04	0.07
54/53/ACC+	13.55	3.91	11.04	0	1.06	0.98
54/53/ACC-	-9.78	-4.39	-11.61	0	-1.13	-0.75
55/46/ULS+	1.23	-0.05	7.86	0	0	0
55/46/ULS-	0.31	-0.22	1.95	-0.01	0	0
55/46/SLS+	0.85	-0.05	5.44	0	0	0
55/46/SLS-	0.31	-0.16	1.95	0	0	0
55/46/SLS:CHR+	0.85	-0.05	5.44	0	0	0
55/46/SLS:CHR-	0.31	-0.16	1.95	0	0	0
55/46/SLS:FRE+	0.69	-0.05	4.39	0	0	0
55/46/SLS:FRE-	0.31	-0.12	1.95	0	0	0
55/46/SLS:QPR+	0.63	-0.05	4.04	0	0	0
55/46/SLS:QPR-	0.31	-0.11	1.95	0	0	0
55/46/ACC+	2.55	2.01	4.32	0	0	0
55/46/ACC-	-1.61	-2.18	1.67	0	0	0
55/51/ULS+	1.23	0.24	-1.95	0.01	0	0
55/51/ULS-	0.31	0.06	-7.86	0	0	0
55/51/SLS+	0.85	0.16	-1.95	0	0	0
55/51/SLS-	0.31	0.06	-5.44	0	0	0
55/51/SLS:CHR+	0.85	0.16	-1.95	0	0	0
55/51/SLS:CHR-	0.31	0.06	-5.44	0	0	0
55/51/SLS:FRE+	0.69	0.13	-1.95	0	0	0
55/51/SLS:FRE-	0.31	0.06	-4.39	0	0	0
55/51/SLS:QPR+	0.63	0.12	-1.95	0	0	0
55/51/SLS:QPR-	0.31	0.06	-4.04	0	0	0
55/51/ACC+	7.04	2.17	-1.67	0	0	0
55/51/ACC-	-6.1	-2	-4.32	0	0	0
56/51/ULS+	1.16	-0.05	7.79	0	0	0
56/51/ULS-	0.29	-0.2	1.94	-0.01	0	0
56/51/SLS+	0.8	-0.05	5.39	0	0	0
56/51/SLS-	0.29	-0.14	1.94	0	0	0

56/51/SLS:CHR+	0.8	-0.05	5.39	0	0	0
56/51/SLS:CHR-	0.29	-0.14	1.94	0	0	0
56/51/SLS:FRE+	0.65	-0.05	4.35	0	0	0
56/51/SLS:FRE-	0.29	-0.11	1.94	0	0	0
56/51/SLS:QPR+	0.6	-0.05	4.01	0	0	0
56/51/SLS:QPR-	0.29	-0.1	1.94	0	0	0
56/51/ACC+	11.56	1.36	4.43	0	0	0
56/51/ACC-	-10.67	-1.51	1.52	0	0	0
56/54/ULS+	1.11	-0.11	-3.95	0.02	0	0
56/54/ULS-	0.28	-0.51	-15.97	0	0	0
56/54/SLS+	0.77	-0.11	-3.95	0.01	0	0
56/54/SLS-	0.28	-0.35	-11.04	0	0	0
56/54/SLS:CHR+	0.77	-0.11	-3.95	0.01	0	0
56/54/SLS:CHR-	0.28	-0.35	-11.04	0	0	0
56/54/SLS:FRE+	0.62	-0.11	-3.95	0.01	0	0
56/54/SLS:FRE-	0.28	-0.28	-8.91	0	0	0
56/54/SLS:QPR+	0.58	-0.11	-3.95	0.01	0	0
56/54/SLS:QPR-	0.28	-0.26	-8.2	0	0	0
56/54/ACC+	18.56	5.38	-3.47	0.02	0	0
56/54/ACC-	-17.7	-5.74	-8.68	-0.01	0	0
57/55/ULS+	8.73	0	0.08	0	-0.01	-0.01
57/55/ULS-	2.45	-0.08	0.02	0	-0.04	-0.08
57/55/SLS+	6.07	0	0.05	0	-0.01	-0.01
57/55/SLS-	2.45	-0.05	0.02	0	-0.03	-0.06
57/55/SLS:CHR+	6.07	0	0.05	0	-0.01	-0.01
57/55/SLS:CHR-	2.45	-0.05	0.02	0	-0.03	-0.06
57/55/SLS:FRE+	4.98	0	0.04	0	-0.01	-0.01
57/55/SLS:FRE-	2.45	-0.04	0.02	0	-0.03	-0.04
57/55/SLS:QPR+	4.62	0	0.04	0	-0.01	-0.01
57/55/SLS:QPR-	2.45	-0.03	0.02	0	-0.02	-0.04
57/55/ACC+	16.84	0.04	0.08	0	0.37	0.03
57/55/ACC-	-9.77	-0.07	-0.01	0	-0.4	-0.08
57/56/ULS+	5.92	-0.67	-0.02	0	0	1.1
57/56/ULS-	1.53	-2.56	-0.08	0	-0.01	0.27
57/56/SLS+	4.1	-0.67	-0.02	0	0	0.76
57/56/SLS-	1.53	-1.77	-0.06	0	-0.01	0.27
57/56/SLS:CHR+	4.1	-0.67	-0.02	0	0	0.76
57/56/SLS:CHR-	1.53	-1.77	-0.06	0	-0.01	0.27
57/56/SLS:FRE+	3.33	-0.67	-0.02	0	0	0.61
57/56/SLS:FRE-	1.53	-1.44	-0.05	0	0	0.27
57/56/SLS:QPR+	3.07	-0.67	-0.02	0	0	0.57
57/56/SLS:QPR-	1.53	-1.33	-0.04	0	0	0.27
57/56/ACC+	15.08	-0.45	0.07	0.02	0.4	0.65
57/56/ACC-	-10.48	-1.55	-0.13	-0.03	-0.41	0.19

59/52/ULS+	0.75	N/A	N/A	N/A	N/A	N/A
59/52/ULS-	0.21	N/A	N/A	N/A	N/A	N/A
59/52/SLS+	0.52	N/A	N/A	N/A	N/A	N/A
59/52/SLS-	0.21	N/A	N/A	N/A	N/A	N/A
59/52/SLS:CHR+	0.52	N/A	N/A	N/A	N/A	N/A
59/52/SLS:CHR-	0.21	N/A	N/A	N/A	N/A	N/A
59/52/SLS:FRE+	0.43	N/A	N/A	N/A	N/A	N/A
59/52/SLS:FRE-	0.21	N/A	N/A	N/A	N/A	N/A
59/52/SLS:QPR+	0.4	N/A	N/A	N/A	N/A	N/A
59/52/SLS:QPR-	0.21	N/A	N/A	N/A	N/A	N/A
59/52/ACC+	15.37	N/A	N/A	N/A	N/A	N/A
59/52/ACC-	-14.76	N/A	N/A	N/A	N/A	N/A
59/56/ULS+	0.68	N/A	N/A	N/A	N/A	N/A
59/56/ULS-	0.16	N/A	N/A	N/A	N/A	N/A
59/56/SLS+	0.47	N/A	N/A	N/A	N/A	N/A
59/56/SLS-	0.16	N/A	N/A	N/A	N/A	N/A
59/56/SLS:CHR+	0.47	N/A	N/A	N/A	N/A	N/A
59/56/SLS:CHR-	0.16	N/A	N/A	N/A	N/A	N/A
59/56/SLS:FRE+	0.37	N/A	N/A	N/A	N/A	N/A
59/56/SLS:FRE-	0.16	N/A	N/A	N/A	N/A	N/A
59/56/SLS:QPR+	0.34	N/A	N/A	N/A	N/A	N/A
59/56/SLS:QPR-	0.16	N/A	N/A	N/A	N/A	N/A
59/56/ACC+	15.32	N/A	N/A	N/A	N/A	N/A
59/56/ACC-	-14.81	N/A	N/A	N/A	N/A	N/A
60/53/ULS+	2.81	N/A	N/A	N/A	N/A	N/A
60/53/ULS-	0.72	N/A	N/A	N/A	N/A	N/A
60/53/SLS+	1.95	N/A	N/A	N/A	N/A	N/A
60/53/SLS-	0.72	N/A	N/A	N/A	N/A	N/A
60/53/SLS:CHR+	1.95	N/A	N/A	N/A	N/A	N/A
60/53/SLS:CHR-	0.72	N/A	N/A	N/A	N/A	N/A
60/53/SLS:FRE+	1.58	N/A	N/A	N/A	N/A	N/A
60/53/SLS:FRE-	0.72	N/A	N/A	N/A	N/A	N/A
60/53/SLS:QPR+	1.46	N/A	N/A	N/A	N/A	N/A
60/53/SLS:QPR-	0.72	N/A	N/A	N/A	N/A	N/A
60/53/ACC+	17.1	N/A	N/A	N/A	N/A	N/A
60/53/ACC-	-14.92	N/A	N/A	N/A	N/A	N/A
60/55/ULS+	2.88	N/A	N/A	N/A	N/A	N/A
60/55/ULS-	0.77	N/A	N/A	N/A	N/A	N/A
60/55/SLS+	2	N/A	N/A	N/A	N/A	N/A
60/55/SLS-	0.77	N/A	N/A	N/A	N/A	N/A
60/55/SLS:CHR+	2	N/A	N/A	N/A	N/A	N/A
60/55/SLS:CHR-	0.77	N/A	N/A	N/A	N/A	N/A
60/55/SLS:FRE+	1.63	N/A	N/A	N/A	N/A	N/A
60/55/SLS:FRE-	0.77	N/A	N/A	N/A	N/A	N/A

60/55/SLS:QPR+	1.51	N/A	N/A	N/A	N/A	N/A
60/55/SLS:QPR-	0.77	N/A	N/A	N/A	N/A	N/A
60/55/ACC+	17.15	N/A	N/A	N/A	N/A	N/A
60/55/ACC-	-14.87	N/A	N/A	N/A	N/A	N/A
61/58/ULS+	11.34	0.01	-0.96	0	0.51	0
61/58/ULS-	2.96	0	-3.83	0	0.13	0
61/58/SLS+	7.86	0	-0.96	0	0.35	0
61/58/SLS-	2.96	0	-2.65	0	0.13	0
61/58/SLS:CHR+	7.86	0	-0.96	0	0.35	0
61/58/SLS:CHR-	2.96	0	-2.65	0	0.13	0
61/58/SLS:FRE+	6.39	0	-0.96	0	0.28	0
61/58/SLS:FRE-	2.96	0	-2.14	0	0.13	0
61/58/SLS:QPR+	5.9	0	-0.96	0	0.26	0
61/58/SLS:QPR-	2.96	0	-1.97	0	0.13	0
61/58/ACC+	7.38	2.05	5.17	0	2.19	0.6
61/58/ACC-	1.48	-2.05	-8.11	0	-1.8	-0.61
61/59/ULS+	11.24	0.01	-0.96	0	-0.31	0
61/59/ULS-	2.88	0	-3.83	0	-1.22	-0.01
61/59/SLS+	7.78	0	-0.96	0	-0.31	0
61/59/SLS-	2.88	0	-2.65	0	-0.84	-0.01
61/59/SLS:CHR+	7.78	0	-0.96	0	-0.31	0
61/59/SLS:CHR-	2.88	0	-2.65	0	-0.84	-0.01
61/59/SLS:FRE+	6.31	0	-0.96	0	-0.31	0
61/59/SLS:FRE-	2.88	0	-2.14	0	-0.68	0
61/59/SLS:QPR+	5.82	0	-0.96	0	-0.31	0
61/59/SLS:QPR-	2.88	0	-1.97	0	-0.63	0
61/59/ACC+	7.3	2.05	5.17	0	0.52	0.32
61/59/ACC-	1.4	-2.05	-8.11	0	-1.46	-0.32
62/60/ULS+	19.18	0.06	0.36	0	-0.02	0.02
62/60/ULS-	5.04	0.02	0.09	0	-0.07	0
62/60/SLS+	13.29	0.04	0.25	0	-0.02	0.01
62/60/SLS-	5.04	0.02	0.09	0	-0.05	0
62/60/SLS:CHR+	13.29	0.04	0.25	0	-0.02	0.01
62/60/SLS:CHR-	5.04	0.02	0.09	0	-0.05	0
62/60/SLS:FRE+	10.82	0.03	0.2	0	-0.02	0.01
62/60/SLS:FRE-	5.04	0.02	0.09	0	-0.04	0
62/60/SLS:QPR+	9.99	0.03	0.19	0	-0.02	0.01
62/60/SLS:QPR-	5.04	0.02	0.09	0	-0.03	0
62/60/ACC+	10.02	1.41	3.02	0	1.46	0.36
62/60/ACC-	5.01	-1.36	-2.74	0	-1.52	-0.34
62/61/ULS+	10.8	0.03	-0.87	0	-0.28	0
62/61/ULS-	2.82	0.01	-3.46	0	-1.11	-0.02
62/61/SLS+	7.48	0.02	-0.87	0	-0.28	0
62/61/SLS-	2.82	0.01	-2.39	0	-0.77	-0.01

62/61/SLS:CHR+	7.48	0.02	-0.87	0	-0.28	0
62/61/SLS:CHR-	2.82	0.01	-2.39	0	-0.77	-0.01
62/61/SLS:FRE+	6.08	0.02	-0.87	0	-0.28	0
62/61/SLS:FRE-	2.82	0.01	-1.94	0	-0.62	-0.01
62/61/SLS:QPR+	5.62	0.02	-0.87	0	-0.28	0
62/61/SLS:QPR-	2.82	0.01	-1.78	0	-0.57	-0.01
62/61/ACC+	7.12	1.23	2.28	0	0.62	0.15
62/61/ACC-	1.32	-1.2	-4.93	0	-1.47	-0.16
63/62/ULS+	19.27	0.08	1.02	0	-0.1	0.02
63/62/ULS-	5.05	0.02	0.25	0	-0.39	0
63/62/SLS+	13.35	0.06	0.7	0	-0.1	0.01
63/62/SLS-	5.05	0.02	0.25	0	-0.27	0
63/62/SLS:CHR+	13.35	0.06	0.7	0	-0.1	0.01
63/62/SLS:CHR-	5.05	0.02	0.25	0	-0.27	0
63/62/SLS:FRE+	10.86	0.05	0.57	0	-0.1	0.01
63/62/SLS:FRE-	5.05	0.02	0.25	0	-0.22	0
63/62/SLS:QPR+	10.03	0.04	0.52	0	-0.1	0.01
63/62/SLS:QPR-	5.05	0.02	0.25	0	-0.2	0
63/62/ACC+	12.68	1.79	17.61	0	6.73	0.35
63/62/ACC-	2.41	-1.73	-16.83	0	-7.03	-0.34
63/63/ULS+	10.79	0.04	-0.61	0	-0.23	0
63/63/ULS-	2.82	0.01	-2.43	0	-0.93	-0.02
63/63/SLS+	7.48	0.03	-0.61	0	-0.23	0
63/63/SLS-	2.82	0.01	-1.68	0	-0.65	-0.01
63/63/SLS:CHR+	7.48	0.03	-0.61	0	-0.23	0
63/63/SLS:CHR-	2.82	0.01	-1.68	0	-0.65	-0.01
63/63/SLS:FRE+	6.08	0.02	-0.61	0	-0.23	0
63/63/SLS:FRE-	2.82	0.01	-1.36	0	-0.52	-0.01
63/63/SLS:QPR+	5.61	0.02	-0.61	0	-0.23	0
63/63/SLS:QPR-	2.82	0.01	-1.26	0	-0.48	-0.01
63/63/ACC+	9.76	0.76	14	0	3.18	0.07
63/63/ACC-	-1.33	-0.73	-15.87	0	-3.9	-0.09
64/64/ULS+	24.85	0.05	1.44	0	-0.15	0.02
64/64/ULS-	6.36	0.01	0.36	0	-0.58	0
64/64/SLS+	17.2	0.04	0.99	0	-0.15	0.01
64/64/SLS-	6.36	0.01	0.36	0	-0.4	0
64/64/SLS:CHR+	17.2	0.04	0.99	0	-0.15	0.01
64/64/SLS:CHR-	6.36	0.01	0.36	0	-0.4	0
64/64/SLS:FRE+	13.95	0.03	0.8	0	-0.15	0.01
64/64/SLS:FRE-	6.36	0.01	0.36	0	-0.32	0
64/64/SLS:QPR+	12.87	0.03	0.74	0	-0.15	0.01
64/64/SLS:QPR-	6.36	0.01	0.36	0	-0.3	0
64/64/ACC+	16.69	0.94	0.94	0	3.19	0.33
64/64/ACC-	2.54	-0.89	0.16	0	-3.64	-0.31

64/65/ULS+	16.14	0.02	-0.24	0	0.02	-0.01
64/65/ULS-	4.03	0.01	-0.97	0	0	-0.02
64/65/SLS+	11.16	0.02	-0.24	0	0.01	-0.01
64/65/SLS-	4.03	0.01	-0.67	0	0	-0.01
64/65/SLS:CHR+	11.16	0.02	-0.24	0	0.01	-0.01
64/65/SLS:CHR-	4.03	0.01	-0.67	0	0	-0.01
64/65/SLS:FRE+	9.02	0.01	-0.24	0	0.01	-0.01
64/65/SLS:FRE-	4.03	0.01	-0.54	0	0	-0.01
64/65/SLS:QPR+	8.31	0.01	-0.24	0	0.01	-0.01
64/65/SLS:QPR-	4.03	0.01	-0.5	0	0	-0.01
64/65/ACC+	8.66	1.42	9.63	0	0.26	0.21
64/65/ACC-	3.68	-1.4	-10.37	0	-0.24	-0.23
65/59/ULS+	3.79	0.03	6.32	0	-0.31	0
65/59/ULS-	0.95	0.01	1.6	0	-1.22	-0.01
65/59/SLS+	2.62	0.02	4.38	0	-0.31	0
65/59/SLS-	0.95	0.01	1.6	0	-0.85	-0.01
65/59/SLS:CHR+	2.62	0.02	4.38	0	-0.31	0
65/59/SLS:CHR-	0.95	0.01	1.6	0	-0.85	-0.01
65/59/SLS:FRE+	2.12	0.02	3.54	0	-0.31	0
65/59/SLS:FRE-	0.95	0.01	1.6	0	-0.68	-0.01
65/59/SLS:QPR+	1.95	0.02	3.27	0	-0.31	0
65/59/SLS:QPR-	0.95	0.01	1.6	0	-0.63	0
65/59/ACC+	6.65	0.93	4.75	0	0.62	0.12
65/59/ACC-	-3.74	-0.9	0.12	0	-1.56	-0.13
65/66/ULS+	3.82	-0.01	-2.09	0	0	0
65/66/ULS-	0.96	-0.03	-8.2	0	0	0
65/66/SLS+	2.64	-0.01	-2.09	0	0	0
65/66/SLS-	0.96	-0.02	-5.68	0	0	0
65/66/SLS:CHR+	2.64	-0.01	-2.09	0	0	0
65/66/SLS:CHR-	0.96	-0.02	-5.68	0	0	0
65/66/SLS:FRE+	2.14	-0.01	-2.09	0	0	0
65/66/SLS:FRE-	0.96	-0.02	-4.6	0	0	0
65/66/SLS:QPR+	1.97	-0.01	-2.09	0	0	0
65/66/SLS:QPR-	0.96	-0.02	-4.25	0	0	0
65/66/ACC+	2.28	2.58	-0.62	0	0	0
65/66/ACC-	0.65	-2.6	-5.72	0	0	0
66/61/ULS+	3.42	0.03	6.21	0	-0.28	0
66/61/ULS-	0.86	0.01	1.58	0	-1.12	-0.01
66/61/SLS+	2.36	0.02	4.3	0	-0.28	0
66/61/SLS-	0.86	0.01	1.58	0	-0.78	-0.01
66/61/SLS:CHR+	2.36	0.02	4.3	0	-0.28	0
66/61/SLS:CHR-	0.86	0.01	1.58	0	-0.78	-0.01
66/61/SLS:FRE+	1.91	0.02	3.48	0	-0.28	0
66/61/SLS:FRE-	0.86	0.01	1.58	0	-0.63	-0.01

66/61/SLS:QPR+	1.76	0.02	3.21	0	-0.28	0
66/61/SLS:QPR-	0.86	0.01	1.58	0	-0.58	-0.01
66/61/ACC+	3.56	1.07	4.74	0	0.69	0.17
66/61/ACC-	-0.94	-1.05	0.04	0	-1.55	-0.18
66/67/ULS+	3.45	-0.01	-2.13	0	0	0
66/67/ULS-	0.87	-0.04	-8.34	0	0	0
66/67/SLS+	2.39	-0.01	-2.13	0	0	0
66/67/SLS-	0.87	-0.03	-5.77	0	0	0
66/67/SLS:CHR+	2.39	-0.01	-2.13	0	0	0
66/67/SLS:CHR-	0.87	-0.03	-5.77	0	0	0
66/67/SLS:FRE+	1.93	-0.01	-2.13	0	0	0
66/67/SLS:FRE-	0.87	-0.02	-4.68	0	0	0
66/67/SLS:QPR+	1.78	-0.01	-2.13	0	0	0
66/67/SLS:QPR-	0.87	-0.02	-4.31	0	0	0
66/67/ACC+	4.25	2.48	-0.62	0	0	0
66/67/ACC-	-1.6	-2.51	-5.82	0	0	0
67/63/ULS+	2.39	0.03	6.01	0	-0.24	0
67/63/ULS-	0.6	0.01	1.53	0	-0.94	-0.01
67/63/SLS+	1.65	0.02	4.16	0	-0.24	0
67/63/SLS-	0.6	0.01	1.53	0	-0.65	-0.01
67/63/SLS:CHR+	1.65	0.02	4.16	0	-0.24	0
67/63/SLS:CHR-	0.6	0.01	1.53	0	-0.65	-0.01
67/63/SLS:FRE+	1.34	0.02	3.37	0	-0.24	0
67/63/SLS:FRE-	0.6	0.01	1.53	0	-0.53	0
67/63/SLS:QPR+	1.23	0.02	3.11	0	-0.24	0
67/63/SLS:QPR-	0.6	0.01	1.53	0	-0.49	0
67/63/ACC+	14.81	1.3	7.32	0	3.12	0.25
67/63/ACC-	-12.98	-1.28	-2.69	0	-3.85	-0.26
67/68/ULS+	2.41	-0.01	-2.17	0	0	0
67/68/ULS-	0.61	-0.03	-8.49	0	0	0
67/68/SLS+	1.67	-0.01	-2.17	0	0	0
67/68/SLS-	0.61	-0.02	-5.88	0	0	0
67/68/SLS:CHR+	1.67	-0.01	-2.17	0	0	0
67/68/SLS:CHR-	0.61	-0.02	-5.88	0	0	0
67/68/SLS:FRE+	1.35	-0.01	-2.17	0	0	0
67/68/SLS:FRE-	0.61	-0.02	-4.76	0	0	0
67/68/SLS:QPR+	1.24	-0.01	-2.17	0	0	0
67/68/SLS:QPR-	0.61	-0.02	-4.39	0	0	0
67/68/ACC+	10.91	2.31	2.01	0	0	0
67/68/ACC-	-9.06	-2.33	-8.57	0	0	0
68/72/ULS+	0.14	0	0.11	0	0	0
68/72/ULS-	0.03	0	0.08	0	0	0
68/72/SLS+	0.1	0	0.08	0	0	0
68/72/SLS-	0.03	0	0.08	0	0	0

68/72/SLS:CHR+	0.1	0	0.08	0	0	0
68/72/SLS:CHR-	0.03	0	0.08	0	0	0
68/72/SLS:FRE+	0.08	0	0.08	0	0	0
68/72/SLS:FRE-	0.03	0	0.08	0	0	0
68/72/SLS:QPR+	0.07	0	0.08	0	0	0
68/72/SLS:QPR-	0.03	0	0.08	0	0	0
68/72/ACC+	0.32	0	0.08	0	0	0
68/72/ACC-	-0.21	0	0.08	0	0	0
68/75/ULS+	0.14	0	-0.08	0	0	0
68/75/ULS-	0.03	0	-0.11	0	0	0
68/75/SLS+	0.1	0	-0.08	0	0	0
68/75/SLS-	0.03	0	-0.08	0	0	0
68/75/SLS:CHR+	0.1	0	-0.08	0	0	0
68/75/SLS:CHR-	0.03	0	-0.08	0	0	0
68/75/SLS:FRE+	0.08	0	-0.08	0	0	0
68/75/SLS:FRE-	0.03	0	-0.08	0	0	0
68/75/SLS:QPR+	0.07	0	-0.08	0	0	0
68/75/SLS:QPR-	0.03	0	-0.08	0	0	0
68/75/ACC+	0.32	0	-0.08	0	0	0
68/75/ACC-	-0.21	0	-0.08	0	0	0
73/69/ULS+	32.7	0.06	0.21	0	-0.05	0.02
73/69/ULS-	8.11	0.01	0.05	0	-0.2	0.01
73/69/SLS+	22.61	0.04	0.15	0	-0.05	0.02
73/69/SLS-	8.11	0.01	0.05	0	-0.14	0.01
73/69/SLS:CHR+	22.61	0.04	0.15	0	-0.05	0.02
73/69/SLS:CHR-	8.11	0.01	0.05	0	-0.14	0.01
73/69/SLS:FRE+	18.26	0.03	0.12	0	-0.05	0.01
73/69/SLS:FRE-	8.11	0.01	0.05	0	-0.11	0.01
73/69/SLS:QPR+	16.81	0.03	0.11	0	-0.05	0.01
73/69/SLS:QPR-	8.11	0.01	0.05	0	-0.1	0.01
73/69/ACC+	16.93	0.05	4.76	0	4.66	0.08
73/69/ACC-	7.98	0	-4.6	0	-4.81	-0.06
73/70/ULS+	32.48	0.06	0.21	0	0.01	-0.01
73/70/ULS-	7.94	0.01	0.05	0	0	-0.04
73/70/SLS+	22.45	0.04	0.15	0	0.01	-0.01
73/70/SLS-	7.94	0.01	0.05	0	0	-0.03
73/70/SLS:CHR+	22.45	0.04	0.15	0	0.01	-0.01
73/70/SLS:CHR-	7.94	0.01	0.05	0	0	-0.03
73/70/SLS:FRE+	18.09	0.03	0.12	0	0.01	-0.01
73/70/SLS:FRE-	7.94	0.01	0.05	0	0	-0.02
73/70/SLS:QPR+	16.64	0.03	0.11	0	0.01	-0.01
73/70/SLS:QPR-	7.94	0.01	0.05	0	0	-0.02
73/70/ACC+	16.77	0.05	4.76	0	0.07	0.04
73/70/ACC-	7.82	0	-4.6	0	-0.06	-0.07

74/71/ULS+	26.04	0.03	0.4	0	-0.06	0.02
74/71/ULS-	6.64	0.01	0.1	0	-0.26	0
74/71/SLS+	18.03	0.02	0.28	0	-0.06	0.01
74/71/SLS-	6.64	0.01	0.1	0	-0.18	0
74/71/SLS:CHR+	18.03	0.02	0.28	0	-0.06	0.01
74/71/SLS:CHR-	6.64	0.01	0.1	0	-0.18	0
74/71/SLS:FRE+	14.61	0.02	0.22	0	-0.06	0.01
74/71/SLS:FRE-	6.64	0.01	0.1	0	-0.14	0
74/71/SLS:QPR+	13.47	0.02	0.21	0	-0.06	0.01
74/71/SLS:QPR-	6.64	0.01	0.1	0	-0.13	0
74/71/ACC+	13.79	1.32	5.09	0	4.73	0.6
74/71/ACC-	6.32	-1.29	-4.78	0	-4.92	-0.59
74/72/ULS+	8.79	0.02	-0.07	0	0.03	0
74/72/ULS-	2.24	0	-0.28	0	0.01	-0.02
74/72/SLS+	6.09	0.02	-0.07	0	0.02	0
74/72/SLS-	2.24	0	-0.19	0	0.01	-0.01
74/72/SLS:CHR+	6.09	0.02	-0.07	0	0.02	0
74/72/SLS:CHR-	2.24	0	-0.19	0	0.01	-0.01
74/72/SLS:FRE+	4.93	0.01	-0.07	0	0.02	0
74/72/SLS:FRE-	2.24	0	-0.15	0	0.01	-0.01
74/72/SLS:QPR+	4.55	0.01	-0.07	0	0.02	0
74/72/SLS:QPR-	2.24	0	-0.14	0	0.01	-0.01
74/72/ACC+	4.55	3.58	1.24	0	0.63	0.7
74/72/ACC-	2.23	-3.56	-1.46	0	-0.61	-0.72
75/65/ULS+	0.95	0.02	8.54	0	0	0
75/65/ULS-	0.24	0	2.11	0	0	0
75/65/SLS+	0.66	0.01	5.9	0	0	0
75/65/SLS-	0.24	0	2.11	0	0	0
75/65/SLS:CHR+	0.66	0.01	5.9	0	0	0
75/65/SLS:CHR-	0.24	0	2.11	0	0	0
75/65/SLS:FRE+	0.53	0.01	4.76	0	0	0
75/65/SLS:FRE-	0.24	0	2.11	0	0	0
75/65/SLS:QPR+	0.49	0.01	4.38	0	0	0
75/65/SLS:QPR-	0.24	0	2.11	0	0	0
75/65/ACC+	8.43	1.95	4.66	0	0	0
75/65/ACC-	-7.7	-1.94	1.83	0	0	0
75/70/ULS+	0.94	0	-2.11	0	0	0
75/70/ULS-	0.24	-0.02	-8.54	0	0	0
75/70/SLS+	0.65	0	-2.11	0	0	0
75/70/SLS-	0.24	-0.01	-5.9	0	0	0
75/70/SLS:CHR+	0.65	0	-2.11	0	0	0
75/70/SLS:CHR-	0.24	-0.01	-5.9	0	0	0
75/70/SLS:FRE+	0.53	0	-2.11	0	0	0
75/70/SLS:FRE-	0.24	-0.01	-4.76	0	0	0

75/70/SLS:QPR+	0.48	0	-2.11	0	0	0
75/70/SLS:QPR-	0.24	-0.01	-4.38	0	0	0
75/70/ACC+	3.4	1.93	-1.83	0	0	0
75/70/ACC-	-2.67	-1.95	-4.66	0	0	0
76/70/ULS+	0.7	0.02	8.59	0	0	0
76/70/ULS-	0.18	0.01	2.13	0	0	0
76/70/SLS+	0.49	0.01	5.94	0	0	0
76/70/SLS-	0.18	0.01	2.13	0	0	0
76/70/SLS:CHR+	0.49	0.01	5.94	0	0	0
76/70/SLS:CHR-	0.18	0.01	2.13	0	0	0
76/70/SLS:FRE+	0.39	0.01	4.8	0	0	0
76/70/SLS:FRE-	0.18	0.01	2.13	0	0	0
76/70/SLS:QPR+	0.36	0.01	4.42	0	0	0
76/70/SLS:QPR-	0.18	0.01	2.13	0	0	0
76/70/ACC+	3.39	1.32	4.82	0	0	0
76/70/ACC-	-2.85	-1.3	1.73	0	0	0
76/73/ULS+	0.67	0	-4.18	0	0	0
76/73/ULS-	0.17	-0.01	-16.94	-0.01	0	0
76/73/SLS+	0.47	0	-4.18	0	0	0
76/73/SLS-	0.17	-0.01	-11.71	0	0	0
76/73/SLS:CHR+	0.47	0	-4.18	0	0	0
76/73/SLS:CHR-	0.17	-0.01	-11.71	0	0	0
76/73/SLS:FRE+	0.38	0	-4.18	0	0	0
76/73/SLS:FRE-	0.17	-0.01	-9.45	0	0	0
76/73/SLS:QPR+	0.35	0	-4.18	0	0	0
76/73/SLS:QPR-	0.17	-0.01	-8.7	0	0	0
76/73/ACC+	3.91	4.86	-3.87	0.01	0	0
76/73/ACC-	-3.4	-4.87	-9.01	-0.02	0	0
77/74/ULS+	10.62	0	0.11	0	-0.03	0
77/74/ULS-	2.83	0	0.03	0	-0.13	0
77/74/SLS+	7.36	0	0.07	0	-0.03	0
77/74/SLS-	2.83	0	0.03	0	-0.09	0
77/74/SLS:CHR+	7.36	0	0.07	0	-0.03	0
77/74/SLS:CHR-	2.83	0	0.03	0	-0.09	0
77/74/SLS:FRE+	6.01	0	0.06	0	-0.03	0
77/74/SLS:FRE-	2.83	0	0.03	0	-0.07	0
77/74/SLS:QPR+	5.55	0	0.05	0	-0.03	0
77/74/SLS:QPR-	2.83	0	0.03	0	-0.07	0
77/74/ACC+	5.62	0.08	3.04	0	3.92	0.01
77/74/ACC-	2.77	-0.08	-2.96	0	-4.01	-0.01
77/75/ULS+	10.31	0	0.11	0	0.02	0.01
77/75/ULS-	2.61	0	0.03	0	0.01	0
77/75/SLS+	7.14	0	0.07	0	0.01	0.01
77/75/SLS-	2.61	0	0.03	0	0.01	0

77/75/SLS:CHR+	7.14	0	0.07	0	0.01	0.01
77/75/SLS:CHR-	2.61	0	0.03	0	0.01	0
77/75/SLS:FRE+	5.78	0	0.06	0	0.01	0
77/75/SLS:FRE-	2.61	0	0.03	0	0.01	0
77/75/SLS:QPR+	5.32	0	0.05	0	0.01	0
77/75/SLS:QPR-	2.61	0	0.03	0	0.01	0
77/75/ACC+	5.39	0.08	3.04	0	0.25	0.1
77/75/ACC-	2.54	-0.08	-2.96	0	-0.23	-0.09
81/77/ULS+	11.49	-0.02	-1.02	0	0.54	-0.01
81/77/ULS-	2.99	-0.09	-4.05	0	0.14	-0.03
81/77/SLS+	7.96	-0.02	-1.02	0	0.38	-0.01
81/77/SLS-	2.99	-0.06	-2.8	0	0.14	-0.02
81/77/SLS:CHR+	7.96	-0.02	-1.02	0	0.38	-0.01
81/77/SLS:CHR-	2.99	-0.06	-2.8	0	0.14	-0.02
81/77/SLS:FRE+	6.47	-0.02	-1.02	0	0.3	-0.01
81/77/SLS:FRE-	2.99	-0.05	-2.26	0	0.14	-0.02
81/77/SLS:QPR+	5.97	-0.02	-1.02	0	0.28	-0.01
81/77/SLS:QPR-	2.99	-0.05	-2.09	0	0.14	-0.01
81/77/ACC+	7.1	2.15	2.69	0	1.46	0.62
81/77/ACC-	1.87	-2.21	-5.79	0	-1.04	-0.64
81/78/ULS+	11.39	-0.02	-1.02	0	-0.32	0.01
81/78/ULS-	2.92	-0.09	-4.05	0	-1.28	0
81/78/SLS+	7.88	-0.02	-1.02	0	-0.32	0.01
81/78/SLS-	2.92	-0.06	-2.8	0	-0.88	0
81/78/SLS:CHR+	7.88	-0.02	-1.02	0	-0.32	0.01
81/78/SLS:CHR-	2.92	-0.06	-2.8	0	-0.88	0
81/78/SLS:FRE+	6.39	-0.02	-1.02	0	-0.32	0.01
81/78/SLS:FRE-	2.92	-0.05	-2.26	0	-0.71	0
81/78/SLS:QPR+	5.9	-0.02	-1.02	0	-0.32	0.01
81/78/SLS:QPR-	2.92	-0.05	-2.09	0	-0.66	0
81/78/ACC+	7.02	2.15	2.69	0	0.17	0.35
81/78/ACC-	1.79	-2.21	-5.79	0	-1.15	-0.35
82/79/ULS+	19.89	-0.1	0.4	0	-0.02	-0.02
82/79/ULS-	5.22	-0.4	0.1	0	-0.06	-0.1
82/79/SLS+	13.78	-0.1	0.28	0	-0.02	-0.02
82/79/SLS-	5.22	-0.28	0.1	0	-0.04	-0.07
82/79/SLS:CHR+	13.78	-0.1	0.28	0	-0.02	-0.02
82/79/SLS:CHR-	5.22	-0.28	0.1	0	-0.04	-0.07
82/79/SLS:FRE+	11.21	-0.1	0.22	0	-0.02	-0.02
82/79/SLS:FRE-	5.22	-0.23	0.1	0	-0.03	-0.05
82/79/SLS:QPR+	10.35	-0.1	0.21	0	-0.02	-0.02
82/79/SLS:QPR-	5.22	-0.21	0.1	0	-0.03	-0.05
82/79/ACC+	10.6	1.36	2.81	0	1.01	0.34
82/79/ACC-	4.97	-1.67	-2.5	0	-1.05	-0.42

82/80/ULS+	11.01	0.21	-0.93	0	-0.3	0
82/80/ULS-	2.87	0.06	-3.71	0	-1.18	0
82/80/SLS+	7.62	0.15	-0.93	0	-0.3	0
82/80/SLS-	2.87	0.06	-2.57	0	-0.82	0
82/80/SLS:CHR+	7.62	0.15	-0.93	0	-0.3	0
82/80/SLS:CHR-	2.87	0.06	-2.57	0	-0.82	0
82/80/SLS:FRE+	6.2	0.12	-0.93	0	-0.3	0
82/80/SLS:FRE-	2.87	0.06	-2.08	0	-0.66	0
82/80/SLS:QPR+	5.72	0.11	-0.93	0	-0.3	0
82/80/SLS:QPR-	2.87	0.06	-1.91	0	-0.61	0
82/80/ACC+	6.67	1.42	-0.38	0	0.04	0.17
82/80/ACC-	1.92	-1.25	-2.47	0	-0.95	-0.17
83/81/ULS+	19.95	-0.16	0.83	0	-0.07	-0.03
83/81/ULS-	5.22	-0.63	0.21	0	-0.29	-0.11
83/81/SLS+	13.82	-0.16	0.57	0	-0.07	-0.03
83/81/SLS-	5.22	-0.44	0.21	0	-0.2	-0.08
83/81/SLS:CHR+	13.82	-0.16	0.57	0	-0.07	-0.03
83/81/SLS:CHR-	5.22	-0.44	0.21	0	-0.2	-0.08
83/81/SLS:FRE+	11.24	-0.16	0.46	0	-0.07	-0.03
83/81/SLS:FRE-	5.22	-0.35	0.21	0	-0.16	-0.06
83/81/SLS:QPR+	10.38	-0.16	0.43	0	-0.07	-0.03
83/81/SLS:QPR-	5.22	-0.33	0.21	0	-0.15	-0.06
83/81/ACC+	11.58	1.75	11.06	0	3.58	0.34
83/81/ACC-	4.01	-2.24	-10.42	0	-3.8	-0.43
83/82/ULS+	11.06	0.2	-0.72	0	-0.26	0
83/82/ULS-	2.88	0.05	-2.88	0	-1.05	0
83/82/SLS+	7.66	0.14	-0.72	0	-0.26	0
83/82/SLS-	2.88	0.05	-1.99	0	-0.72	0
83/82/SLS:CHR+	7.66	0.14	-0.72	0	-0.26	0
83/82/SLS:CHR-	2.88	0.05	-1.99	0	-0.72	0
83/82/SLS:FRE+	6.22	0.11	-0.72	0	-0.26	0
83/82/SLS:FRE-	2.88	0.05	-1.61	0	-0.59	0
83/82/SLS:QPR+	5.75	0.11	-0.72	0	-0.26	0
83/82/SLS:QPR-	2.88	0.05	-1.48	0	-0.54	0
83/82/ACC+	7.89	0.95	4.68	0	1.17	0.09
83/82/ACC-	0.74	-0.79	-6.89	0	-1.97	-0.09
84/83/ULS+	25.63	-0.05	1.58	0	-0.14	-0.01
84/83/ULS-	6.55	-0.18	0.4	0	-0.55	-0.06
84/83/SLS+	17.74	-0.05	1.09	0	-0.14	-0.01
84/83/SLS-	6.55	-0.12	0.4	0	-0.38	-0.04
84/83/SLS:CHR+	17.74	-0.05	1.09	0	-0.14	-0.01
84/83/SLS:CHR-	6.55	-0.12	0.4	0	-0.38	-0.04
84/83/SLS:FRE+	14.39	-0.05	0.88	0	-0.14	-0.01
84/83/SLS:FRE-	6.55	-0.1	0.4	0	-0.31	-0.03

84/83/SLS:QPR+	13.27	-0.05	0.81	0	-0.14	-0.01
84/83/SLS:QPR-	6.55	-0.09	0.4	0	-0.29	-0.03
84/83/ACC+	15.24	0.95	2.56	0	1.78	0.33
84/83/ACC-	4.58	-1.09	-1.36	0	-2.21	-0.37
84/84/ULS+	16.36	0.2	-0.34	0	0	-0.01
84/84/ULS-	4.08	0.05	-1.38	0	-0.01	-0.02
84/84/SLS+	11.32	0.14	-0.34	0	0	-0.01
84/84/SLS-	4.08	0.05	-0.95	0	-0.01	-0.01
84/84/SLS:CHR+	11.32	0.14	-0.34	0	0	-0.01
84/84/SLS:CHR-	4.08	0.05	-0.95	0	-0.01	-0.01
84/84/SLS:FRE+	9.15	0.11	-0.34	0	0	-0.01
84/84/SLS:FRE-	4.08	0.05	-0.77	0	-0.01	-0.01
84/84/SLS:QPR+	8.42	0.1	-0.34	0	0	-0.01
84/84/SLS:QPR-	4.08	0.05	-0.71	0	-0.01	-0.01
84/84/ACC+	8.8	1.67	0.91	0	0.34	0.24
84/84/ACC-	3.71	-1.52	-1.97	0	-0.35	-0.26
85/78/ULS+	4.22	-0.11	6.58	0	-0.32	-0.01
85/78/ULS-	1.06	-0.47	1.67	0	-1.28	-0.04
85/78/SLS+	2.92	-0.11	4.55	0	-0.32	-0.01
85/78/SLS-	1.06	-0.33	1.67	0	-0.88	-0.02
85/78/SLS:CHR+	2.92	-0.11	4.55	0	-0.32	-0.01
85/78/SLS:CHR-	1.06	-0.33	1.67	0	-0.88	-0.02
85/78/SLS:FRE+	2.36	-0.11	3.69	0	-0.32	-0.01
85/78/SLS:FRE-	1.06	-0.26	1.67	0	-0.71	-0.02
85/78/SLS:QPR+	2.17	-0.11	3.4	0	-0.32	-0.01
85/78/SLS:QPR-	1.06	-0.24	1.67	0	-0.66	-0.02
85/78/ACC+	4.43	0.91	4.51	0	0.29	0.14
85/78/ACC-	-1.2	-1.26	0.56	0	-1.27	-0.17
85/85/ULS+	4.11	0.62	-2.22	0.01	0	0
85/85/ULS-	1.03	0.16	-8.7	0	0	0
85/85/SLS+	2.84	0.43	-2.22	0.01	0	0
85/85/SLS-	1.03	0.16	-6.02	0	0	0
85/85/SLS:CHR+	2.84	0.43	-2.22	0.01	0	0
85/85/SLS:CHR-	1.03	0.16	-6.02	0	0	0
85/85/SLS:FRE+	2.3	0.35	-2.22	0	0	0
85/85/SLS:FRE-	1.03	0.16	-4.88	0	0	0
85/85/SLS:QPR+	2.12	0.32	-2.22	0	0	0
85/85/SLS:QPR-	1.03	0.16	-4.5	0	0	0
85/85/ACC+	4.18	3.09	-1.09	0	0	0
85/85/ACC-	-1.02	-2.61	-5.63	0	0	0
86/80/ULS+	3.87	-0.12	6.47	0	-0.3	-0.01
86/80/ULS-	0.97	-0.5	1.64	0	-1.18	-0.05
86/80/SLS+	2.67	-0.12	4.48	0	-0.3	-0.01
86/80/SLS-	0.97	-0.35	1.64	0	-0.82	-0.03

86/80/SLS:CHR+	2.67	-0.12	4.48	0	-0.3	-0.01
86/80/SLS:CHR-	0.97	-0.35	1.64	0	-0.82	-0.03
86/80/SLS:FRE+	2.16	-0.12	3.63	0	-0.3	-0.01
86/80/SLS:FRE-	0.97	-0.28	1.64	0	-0.66	-0.03
86/80/SLS:QPR+	1.99	-0.12	3.34	0	-0.3	-0.01
86/80/SLS:QPR-	0.97	-0.26	1.64	0	-0.61	-0.02
86/80/ACC+	2.91	1.09	4.29	0	0.18	0.2
86/80/ACC-	0.05	-1.47	0.69	0	-1.08	-0.24
86/86/ULS+	3.7	0.83	-2.23	0.01	0	0
86/86/ULS-	0.93	0.22	-8.75	0	0	0
86/86/SLS+	2.56	0.58	-2.23	0	0	0
86/86/SLS-	0.93	0.22	-6.05	0	0	0
86/86/SLS:CHR+	2.56	0.58	-2.23	0	0	0
86/86/SLS:CHR-	0.93	0.22	-6.05	0	0	0
86/86/SLS:FRE+	2.07	0.47	-2.23	0	0	0
86/86/SLS:FRE-	0.93	0.22	-4.91	0	0	0
86/86/SLS:QPR+	1.91	0.43	-2.23	0	0	0
86/86/SLS:QPR-	0.93	0.22	-4.52	0	0	0
86/86/ACC+	7.14	3.19	-1.27	0	0	0
86/86/ACC-	-4.3	-2.54	-5.49	0	0	0
87/82/ULS+	3.02	-0.12	6.34	0	-0.26	-0.01
87/82/ULS-	0.76	-0.5	1.61	0	-1.05	-0.05
87/82/SLS+	2.09	-0.12	4.39	0	-0.26	-0.01
87/82/SLS-	0.76	-0.35	1.61	0	-0.73	-0.04
87/82/SLS:CHR+	2.09	-0.12	4.39	0	-0.26	-0.01
87/82/SLS:CHR-	0.76	-0.35	1.61	0	-0.73	-0.04
87/82/SLS:FRE+	1.69	-0.12	3.55	0	-0.26	-0.01
87/82/SLS:FRE-	0.76	-0.28	1.61	0	-0.59	-0.03
87/82/SLS:QPR+	1.56	-0.12	3.28	0	-0.26	-0.01
87/82/SLS:QPR-	0.76	-0.26	1.61	0	-0.54	-0.03
87/82/ACC+	5.44	1.49	5.44	0	1.31	0.37
87/82/ACC-	-3.13	-1.87	-0.56	0	-2.12	-0.41
87/87/ULS+	2.95	0.38	-2.31	0.01	0	0
87/87/ULS-	0.74	0.1	-9.05	0	0	0
87/87/SLS+	2.04	0.26	-2.31	0.01	0	0
87/87/SLS-	0.74	0.1	-6.26	0	0	0
87/87/SLS:CHR+	2.04	0.26	-2.31	0.01	0	0
87/87/SLS:CHR-	0.74	0.1	-6.26	0	0	0
87/87/SLS:FRE+	1.65	0.21	-2.31	0.01	0	0
87/87/SLS:FRE-	0.74	0.1	-5.08	0	0	0
87/87/SLS:QPR+	1.52	0.2	-2.31	0.01	0	0
87/87/SLS:QPR-	0.74	0.1	-4.68	0	0	0
87/87/ACC+	2.03	2.76	-0.08	0.01	0	0
87/87/ACC-	0.23	-2.46	-6.9	0	0	0

88/91/ULS+	-0.21	0	0.11	0	0	0
88/91/ULS-	-0.8	0	0.08	0	0	0
88/91/SLS+	-0.21	0	0.08	0	0	0
88/91/SLS-	-0.55	0	0.08	0	0	0
88/91/SLS:CHR+	-0.21	0	0.08	0	0	0
88/91/SLS:CHR-	-0.55	0	0.08	0	0	0
88/91/SLS:FRE+	-0.21	0	0.08	0	0	0
88/91/SLS:FRE-	-0.45	0	0.08	0	0	0
88/91/SLS:QPR+	-0.21	0	0.08	0	0	0
88/91/SLS:QPR-	-0.42	0	0.08	0	0	0
88/91/ACC+	7.37	0	0.08	0	0	0
88/91/ACC-	-8	0	0.08	0	0	0
88/94/ULS+	-0.21	0	-0.08	0	0	0
88/94/ULS-	-0.8	0	-0.11	0	0	0
88/94/SLS+	-0.21	0	-0.08	0	0	0
88/94/SLS-	-0.55	0	-0.08	0	0	0
88/94/SLS:CHR+	-0.21	0	-0.08	0	0	0
88/94/SLS:CHR-	-0.55	0	-0.08	0	0	0
88/94/SLS:FRE+	-0.21	0	-0.08	0	0	0
88/94/SLS:FRE-	-0.45	0	-0.08	0	0	0
88/94/SLS:QPR+	-0.21	0	-0.08	0	0	0
88/94/SLS:QPR-	-0.42	0	-0.08	0	0	0
88/94/ACC+	7.37	0	-0.08	0	0	0
88/94/ACC-	-8	0	-0.08	0	0	0
93/88/ULS+	33.07	0	0.09	0	-0.02	0
93/88/ULS-	8.19	-0.01	0.02	0	-0.09	-0.01
93/88/SLS+	22.87	0	0.06	0	-0.02	0
93/88/SLS-	8.19	-0.01	0.02	0	-0.06	-0.01
93/88/SLS:CHR+	22.87	0	0.06	0	-0.02	0
93/88/SLS:CHR-	8.19	-0.01	0.02	0	-0.06	-0.01
93/88/SLS:FRE+	18.46	0	0.05	0	-0.02	0
93/88/SLS:FRE-	8.19	-0.01	0.02	0	-0.05	-0.01
93/88/SLS:QPR+	17	0	0.05	0	-0.02	0
93/88/SLS:QPR-	8.19	-0.01	0.02	0	-0.05	0
93/88/ACC+	17.36	0.01	1.18	0	1.68	0.07
93/88/ACC-	7.83	-0.01	-1.11	0	-1.75	-0.07
93/89/ULS+	32.85	0	0.09	0	0	0
93/89/ULS-	8.03	-0.01	0.02	0	0	0
93/89/SLS+	22.7	0	0.06	0	0	0
93/89/SLS-	8.03	-0.01	0.02	0	0	0
93/89/SLS:CHR+	22.7	0	0.06	0	0	0
93/89/SLS:CHR-	8.03	-0.01	0.02	0	0	0
93/89/SLS:FRE+	18.3	0	0.05	0	0	0
93/89/SLS:FRE-	8.03	-0.01	0.02	0	0	0

93/89/SLS:QPR+	16.83	0	0.05	0	0	0
93/89/SLS:QPR-	8.03	-0.01	0.02	0	0	0
93/89/ACC+	17.19	0.01	1.18	0	0.56	0.06
93/89/ACC-	7.67	-0.01	-1.11	0	-0.57	-0.06
94/90/ULS+	24.37	-0.02	0.46	0	-0.05	-0.01
94/90/ULS-	6.24	-0.1	0.11	0	-0.21	-0.04
94/90/SLS+	16.87	-0.02	0.32	0	-0.05	-0.01
94/90/SLS-	6.24	-0.07	0.11	0	-0.15	-0.03
94/90/SLS:CHR+	16.87	-0.02	0.32	0	-0.05	-0.01
94/90/SLS:CHR-	6.24	-0.07	0.11	0	-0.15	-0.03
94/90/SLS:FRE+	13.68	-0.02	0.26	0	-0.05	-0.01
94/90/SLS:FRE-	6.24	-0.06	0.11	0	-0.12	-0.02
94/90/SLS:QPR+	12.62	-0.02	0.24	0	-0.05	-0.01
94/90/SLS:QPR-	6.24	-0.05	0.11	0	-0.11	-0.02
94/90/ACC+	25.03	1.38	8.03	0	3.79	0.62
94/90/ACC-	-6.17	-1.45	-7.68	0	-3.95	-0.66
94/91/ULS+	5.96	0.35	-0.19	0	-0.01	-0.02
94/91/ULS-	1.55	0.07	-0.74	0	-0.05	-0.09
94/91/SLS+	4.13	0.24	-0.19	0	-0.01	-0.02
94/91/SLS-	1.55	0.07	-0.52	0	-0.03	-0.06
94/91/SLS:CHR+	4.13	0.24	-0.19	0	-0.01	-0.02
94/91/SLS:CHR-	1.55	0.07	-0.52	0	-0.03	-0.06
94/91/SLS:FRE+	3.35	0.19	-0.19	0	-0.01	-0.02
94/91/SLS:FRE-	1.55	0.07	-0.42	0	-0.03	-0.05
94/91/SLS:QPR+	3.1	0.17	-0.19	0	-0.01	-0.02
94/91/SLS:QPR-	1.55	0.07	-0.39	0	-0.03	-0.05
94/91/ACC+	15.95	4.08	12.2	0	0.99	0.77
94/91/ACC-	-11.31	-3.84	-12.77	0	-1.03	-0.83
95/84/ULS+	1.39	-0.04	8.93	0	0	0
95/84/ULS-	0.35	-0.17	2.2	0	0	0
95/84/SLS+	0.96	-0.04	6.17	0	0	0
95/84/SLS-	0.35	-0.11	2.2	0	0	0
95/84/SLS:CHR+	0.96	-0.04	6.17	0	0	0
95/84/SLS:CHR-	0.35	-0.11	2.2	0	0	0
95/84/SLS:FRE+	0.78	-0.04	4.98	0	0	0
95/84/SLS:FRE-	0.35	-0.09	2.2	0	0	0
95/84/SLS:QPR+	0.72	-0.04	4.58	0	0	0
95/84/SLS:QPR-	0.35	-0.08	2.2	0	0	0
95/84/ACC+	2.73	1.97	4.89	0	0	0
95/84/ACC-	-1.67	-2.1	1.9	0	0	0
95/89/ULS+	1.39	0.16	-2.2	0	0	0
95/89/ULS-	0.35	0.04	-8.93	0	0	0
95/89/SLS+	0.96	0.11	-2.2	0	0	0
95/89/SLS-	0.35	0.04	-6.17	0	0	0

95/89/SLS:CHR+	0.96	0.11	-2.2	0	0	0
95/89/SLS:CHR-	0.35	0.04	-6.17	0	0	0
95/89/SLS:FRE+	0.78	0.09	-2.2	0	0	0
95/89/SLS:FRE-	0.35	0.04	-4.98	0	0	0
95/89/SLS:QPR+	0.72	0.08	-2.2	0	0	0
95/89/SLS:QPR-	0.35	0.04	-4.58	0	0	0
95/89/ACC+	7.86	2.08	-1.9	0	0	0
95/89/ACC-	-6.8	-1.97	-4.89	0	0	0
96/89/ULS+	1.31	-0.03	8.87	0	0	0
96/89/ULS-	0.33	-0.14	2.2	0	0	0
96/89/SLS+	0.91	-0.03	6.13	0	0	0
96/89/SLS-	0.33	-0.1	2.2	0	0	0
96/89/SLS:CHR+	0.91	-0.03	6.13	0	0	0
96/89/SLS:CHR-	0.33	-0.1	2.2	0	0	0
96/89/SLS:FRE+	0.73	-0.03	4.95	0	0	0
96/89/SLS:FRE-	0.33	-0.08	2.2	0	0	0
96/89/SLS:QPR+	0.68	-0.03	4.56	0	0	0
96/89/SLS:QPR-	0.33	-0.07	2.2	0	0	0
96/89/ACC+	12.8	1.31	5.02	0	0	0
96/89/ACC-	-11.79	-1.42	1.73	0	0	0
96/92/ULS+	1.21	0.45	-4.46	0.01	0	0
96/92/ULS-	0.3	0.09	-18.11	0	0	0
96/92/SLS+	0.83	0.31	-4.46	0.01	0	0
96/92/SLS-	0.3	0.09	-12.52	0	0	0
96/92/SLS:CHR+	0.83	0.31	-4.46	0.01	0	0
96/92/SLS:CHR-	0.3	0.09	-12.52	0	0	0
96/92/SLS:FRE+	0.68	0.24	-4.46	0.01	0	0
96/92/SLS:FRE-	0.3	0.09	-10.1	0	0	0
96/92/SLS:QPR+	0.62	0.22	-4.46	0.01	0	0
96/92/SLS:QPR-	0.3	0.09	-9.3	0	0	0
96/92/ACC+	20.81	5.53	-3.96	0.02	0	0
96/92/ACC-	-19.88	-5.22	-9.79	-0.01	0	0
97/93/ULS+	11.68	-0.46	0.06	0	-0.01	-0.14
97/93/ULS-	3.22	-1.64	0.02	0	-0.03	-0.49
97/93/SLS+	8.11	-0.46	0.04	0	-0.01	-0.14
97/93/SLS-	3.22	-1.14	0.02	0	-0.02	-0.34
97/93/SLS:CHR+	8.11	-0.46	0.04	0	-0.01	-0.14
97/93/SLS:CHR-	3.22	-1.14	0.02	0	-0.02	-0.34
97/93/SLS:FRE+	6.64	-0.46	0.03	0	-0.01	-0.14
97/93/SLS:FRE-	3.22	-0.93	0.02	0	-0.02	-0.28
97/93/SLS:QPR+	6.15	-0.46	0.03	0	-0.01	-0.14
97/93/SLS:QPR-	3.22	-0.87	0.02	0	-0.02	-0.26
97/93/ACC+	19.97	-0.34	0.1	0	0.43	-0.06
97/93/ACC-	-10.61	-0.99	-0.05	0	-0.45	-0.34

97/94/ULS+	7.84	2.76	0	0	0	-0.32
97/94/ULS-	2.02	0.72	-0.02	0	-0.01	-1.27
97/94/SLS+	5.43	1.91	0	0	0	-0.32
97/94/SLS-	2.02	0.72	-0.01	0	-0.01	-0.88
97/94/SLS:CHR+	5.43	1.91	0	0	0	-0.32
97/94/SLS:CHR-	2.02	0.72	-0.01	0	-0.01	-0.88
97/94/SLS:FRE+	4.41	1.55	0	0	0	-0.32
97/94/SLS:FRE-	2.02	0.72	-0.01	0	0	-0.71
97/94/SLS:QPR+	4.07	1.43	0	0	0	-0.32
97/94/SLS:QPR-	2.02	0.72	-0.01	0	0	-0.66
97/94/ACC+	17.72	1.6	0.01	0.02	0.4	-0.24
97/94/ACC-	-11.63	0.55	-0.02	-0.02	-0.4	-0.74
99/90/ULS+	1.07	N/A	N/A	N/A	N/A	N/A
99/90/ULS-	0.29	N/A	N/A	N/A	N/A	N/A
99/90/SLS+	0.74	N/A	N/A	N/A	N/A	N/A
99/90/SLS-	0.29	N/A	N/A	N/A	N/A	N/A
99/90/SLS:CHR+	0.74	N/A	N/A	N/A	N/A	N/A
99/90/SLS:CHR-	0.29	N/A	N/A	N/A	N/A	N/A
99/90/SLS:FRE+	0.61	N/A	N/A	N/A	N/A	N/A
99/90/SLS:FRE-	0.29	N/A	N/A	N/A	N/A	N/A
99/90/SLS:QPR+	0.56	N/A	N/A	N/A	N/A	N/A
99/90/SLS:QPR-	0.29	N/A	N/A	N/A	N/A	N/A
99/90/ACC+	17.44	N/A	N/A	N/A	N/A	N/A
99/90/ACC-	-16.58	N/A	N/A	N/A	N/A	N/A
99/94/ULS+	1	N/A	N/A	N/A	N/A	N/A
99/94/ULS-	0.24	N/A	N/A	N/A	N/A	N/A
99/94/SLS+	0.69	N/A	N/A	N/A	N/A	N/A
99/94/SLS-	0.24	N/A	N/A	N/A	N/A	N/A
99/94/SLS:CHR+	0.69	N/A	N/A	N/A	N/A	N/A
99/94/SLS:CHR-	0.24	N/A	N/A	N/A	N/A	N/A
99/94/SLS:FRE+	0.56	N/A	N/A	N/A	N/A	N/A
99/94/SLS:FRE-	0.24	N/A	N/A	N/A	N/A	N/A
99/94/SLS:QPR+	0.51	N/A	N/A	N/A	N/A	N/A
99/94/SLS:QPR-	0.24	N/A	N/A	N/A	N/A	N/A
99/94/ACC+	17.39	N/A	N/A	N/A	N/A	N/A
99/94/ACC-	-16.64	N/A	N/A	N/A	N/A	N/A
100/91/ULS+	3.18	N/A	N/A	N/A	N/A	N/A
100/91/ULS-	0.81	N/A	N/A	N/A	N/A	N/A
100/91/SLS+	2.2	N/A	N/A	N/A	N/A	N/A
100/91/SLS-	0.81	N/A	N/A	N/A	N/A	N/A
100/91/SLS:CHR+	2.2	N/A	N/A	N/A	N/A	N/A
100/91/SLS:CHR-	0.81	N/A	N/A	N/A	N/A	N/A
100/91/SLS:FRE+	1.78	N/A	N/A	N/A	N/A	N/A
100/91/SLS:FRE-	0.81	N/A	N/A	N/A	N/A	N/A

100/91/SLS:QPR+	1.64	N/A	N/A	N/A	N/A	N/A
100/91/SLS:QPR-	0.81	N/A	N/A	N/A	N/A	N/A
100/91/ACC+	19.18	N/A	N/A	N/A	N/A	N/A
100/91/ACC-	-16.72	N/A	N/A	N/A	N/A	N/A
100/93/ULS+	3.25	N/A	N/A	N/A	N/A	N/A
100/93/ULS-	0.86	N/A	N/A	N/A	N/A	N/A
100/93/SLS+	2.25	N/A	N/A	N/A	N/A	N/A
100/93/SLS-	0.86	N/A	N/A	N/A	N/A	N/A
100/93/SLS:CHR+	2.25	N/A	N/A	N/A	N/A	N/A
100/93/SLS:CHR-	0.86	N/A	N/A	N/A	N/A	N/A
100/93/SLS:FRE+	1.83	N/A	N/A	N/A	N/A	N/A
100/93/SLS:FRE-	0.86	N/A	N/A	N/A	N/A	N/A
100/93/SLS:QPR+	1.7	N/A	N/A	N/A	N/A	N/A
100/93/SLS:QPR-	0.86	N/A	N/A	N/A	N/A	N/A
100/93/ACC+	19.23	N/A	N/A	N/A	N/A	N/A
100/93/ACC-	-16.67	N/A	N/A	N/A	N/A	N/A
200/14/ULS+	0.3	0	2.58	0	-0.09	0
200/14/ULS-	0.07	0	0.64	0	-0.36	0
200/14/SLS+	0.21	0	1.78	0	-0.09	0
200/14/SLS-	0.07	0	0.64	0	-0.25	0
200/14/SLS:CHR+	0.21	0	1.78	0	-0.09	0
200/14/SLS:CHR-	0.07	0	0.64	0	-0.25	0
200/14/SLS:FRE+	0.17	0	1.44	0	-0.09	0
200/14/SLS:FRE-	0.07	0	0.64	0	-0.2	0
200/14/SLS:QPR+	0.15	0	1.32	0	-0.09	0
200/14/SLS:QPR-	0.07	0	0.64	0	-0.19	0
200/14/ACC+	0.69	0.52	1.41	0.16	-0.03	0
200/14/ACC-	-0.47	-0.52	0.56	-0.17	-0.24	0
200/46/ULS+	0.3	0	-0.85	0	-0.23	0
200/46/ULS-	0.07	0	-3.41	0	-0.92	-0.01
200/46/SLS+	0.21	0	-0.85	0	-0.23	0
200/46/SLS-	0.07	0	-2.36	0	-0.63	0
200/46/SLS:CHR+	0.21	0	-0.85	0	-0.23	0
200/46/SLS:CHR-	0.07	0	-2.36	0	-0.63	0
200/46/SLS:FRE+	0.17	0	-0.85	0	-0.23	0
200/46/SLS:FRE-	0.07	0	-1.91	0	-0.51	0
200/46/SLS:QPR+	0.15	0	-0.85	0	-0.23	0
200/46/SLS:QPR-	0.07	0	-1.75	0	-0.47	0
200/46/ACC+	1.52	1.35	-0.76	0.16	-0.17	0.55
200/46/ACC-	-1.3	-1.35	-1.84	-0.17	-0.53	-0.56
201/24/ULS+	0.7	0	5.06	0.01	-0.17	0
201/24/ULS-	0.16	0	1.21	0	-0.71	0
201/24/SLS+	0.48	0	3.49	0	-0.17	0
201/24/SLS-	0.16	0	1.21	0	-0.49	0

201/24/SLS:CHR+	0.48	0	3.49	0	-0.17	0
201/24/SLS:CHR-	0.16	0	1.21	0	-0.49	0
201/24/SLS:FRE+	0.38	0	2.81	0	-0.17	0
201/24/SLS:FRE-	0.16	0	1.21	0	-0.39	0
201/24/SLS:QPR+	0.35	0	2.58	0	-0.17	0
201/24/SLS:QPR-	0.16	0	1.21	0	-0.36	0
201/24/ACC+	1.91	1.17	2.89	0.16	0.03	0
201/24/ACC-	-1.4	-1.17	0.89	-0.15	-0.56	0
201/51/ULS+	0.7	0	-1.61	0.01	-0.43	0
201/51/ULS-	0.16	0	-6.72	0	-1.82	-0.01
201/51/SLS+	0.48	0	-1.61	0	-0.43	0
201/51/SLS-	0.16	0	-4.64	0	-1.25	0
201/51/SLS:CHR+	0.48	0	-1.61	0	-0.43	0
201/51/SLS:CHR-	0.16	0	-4.64	0	-1.25	0
201/51/SLS:FRE+	0.38	0	-1.61	0	-0.43	0
201/51/SLS:FRE-	0.16	0	-3.73	0	-1.01	0
201/51/SLS:QPR+	0.35	0	-1.61	0	-0.43	0
201/51/SLS:QPR-	0.16	0	-3.43	0	-0.93	0
201/51/ACC+	2.53	2.56	-1.29	0.16	-0.21	0.93
201/51/ACC-	-2.03	-2.56	-3.74	-0.15	-1.15	-0.93
202/272/ULS+	-0.16	-0.02	2.34	-0.07	0.03	-0.02
202/272/ULS-	-0.6	-0.08	0.57	-0.3	0.01	-0.09
202/272/SLS+	-0.16	-0.02	1.62	-0.07	0.02	-0.02
202/272/SLS-	-0.42	-0.05	0.57	-0.21	0.01	-0.06
202/272/SLS:CHR+	-0.16	-0.02	1.62	-0.07	0.02	-0.02
202/272/SLS:CHR-	-0.42	-0.05	0.57	-0.21	0.01	-0.06
202/272/SLS:FRE+	-0.16	-0.02	1.3	-0.07	0.02	-0.02
202/272/SLS:FRE-	-0.34	-0.04	0.57	-0.17	0.01	-0.05
202/272/SLS:QPR+	-0.16	-0.02	1.2	-0.07	0.02	-0.02
202/272/SLS:QPR-	-0.32	-0.04	0.57	-0.15	0.01	-0.05
202/272/ACC+	1.6	1.66	1.41	-0.06	0.16	0.94
202/272/ACC-	-2.08	-1.72	0.36	-0.16	-0.14	-1
202/273/ULS+	-0.16	-0.02	-1.07	-0.07	-0.32	0.01
202/273/ULS-	-0.6	-0.08	-4.38	-0.3	-1.32	0
202/273/SLS+	-0.16	-0.02	-1.07	-0.07	-0.32	0.01
202/273/SLS-	-0.42	-0.05	-3.02	-0.21	-0.92	0
202/273/SLS:CHR+	-0.16	-0.02	-1.07	-0.07	-0.32	0.01
202/273/SLS:CHR-	-0.42	-0.05	-3.02	-0.21	-0.92	0
202/273/SLS:FRE+	-0.16	-0.02	-1.07	-0.07	-0.32	0.01
202/273/SLS:FRE-	-0.34	-0.04	-2.44	-0.17	-0.74	0
202/273/SLS:QPR+	-0.16	-0.02	-1.07	-0.07	-0.32	0.01
202/273/SLS:QPR-	-0.32	-0.04	-2.24	-0.15	-0.68	0
202/273/ACC+	0.35	1.39	-0.86	-0.06	-0.19	0.78
202/273/ACC-	-0.83	-1.45	-2.46	-0.16	-0.81	-0.77

203/37/ULS+	-0.01	0.12	1.84	-0.01	-0.06	0
203/37/ULS-	-0.05	0.03	0.48	-0.03	-0.23	0
203/37/SLS+	-0.01	0.08	1.28	-0.01	-0.06	0
203/37/SLS-	-0.03	0.03	0.48	-0.02	-0.16	0
203/37/SLS:CHR+	-0.01	0.08	1.28	-0.01	-0.06	0
203/37/SLS:CHR-	-0.03	0.03	0.48	-0.02	-0.16	0
203/37/SLS:FRE+	-0.01	0.07	1.04	-0.01	-0.06	0
203/37/SLS:FRE-	-0.03	0.03	0.48	-0.02	-0.13	0
203/37/SLS:QPR+	-0.01	0.06	0.96	-0.01	-0.06	0
203/37/SLS:QPR-	-0.02	0.03	0.48	-0.02	-0.12	0
203/37/ACC+	0.58	0.41	1.49	0.07	0.31	0
203/37/ACC-	-0.61	-0.31	-0.05	-0.09	-0.49	0
203/53/ULS+	-0.11	0.13	-1.01	-0.02	-0.26	-0.01
203/53/ULS-	-0.41	0.04	-3.98	-0.06	-1.03	-0.05
203/53/SLS+	-0.11	0.09	-1.01	-0.02	-0.26	-0.01
203/53/SLS-	-0.28	0.04	-2.76	-0.04	-0.72	-0.03
203/53/SLS:CHR+	-0.11	0.09	-1.01	-0.02	-0.26	-0.01
203/53/SLS:CHR-	-0.28	0.04	-2.76	-0.04	-0.72	-0.03
203/53/SLS:FRE+	-0.11	0.08	-1.01	-0.02	-0.26	-0.01
203/53/SLS:FRE-	-0.23	0.04	-2.23	-0.03	-0.58	-0.03
203/53/SLS:QPR+	-0.11	0.07	-1.01	-0.02	-0.26	-0.01
203/53/SLS:QPR-	-0.21	0.04	-2.06	-0.03	-0.53	-0.03
203/53/ACC+	1.51	2.98	-0.36	0.23	0.11	1.35
203/53/ACC-	-1.83	-2.87	-2.71	-0.28	-0.91	-1.39
204/289/ULS+	-0.49	0.22	1.39	0	-0.01	0.1
204/289/ULS-	-1.84	0.06	0.34	0	-0.07	0.03
204/289/SLS+	-0.49	0.16	0.96	0	-0.01	0.07
204/289/SLS-	-1.28	0.06	0.34	0	-0.05	0.03
204/289/SLS:CHR+	-0.49	0.16	0.96	0	-0.01	0.07
204/289/SLS:CHR-	-1.28	0.06	0.34	0	-0.05	0.03
204/289/SLS:FRE+	-0.49	0.13	0.77	0	-0.01	0.06
204/289/SLS:FRE-	-1.04	0.06	0.34	0	-0.04	0.03
204/289/SLS:QPR+	-0.49	0.12	0.71	0	-0.01	0.05
204/289/SLS:QPR-	-0.96	0.06	0.34	0	-0.04	0.03
204/289/ACC+	0.78	1.7	1.03	0.01	0.12	0.57
204/289/ACC-	-2.24	-1.51	0.02	0	-0.17	-0.49
204/56/ULS+	-0.49	0.22	-0.27	0	0	0
204/56/ULS-	-1.84	0.06	-1.04	0	0	0
204/56/SLS+	-0.49	0.16	-0.27	0	0	0
204/56/SLS-	-1.28	0.06	-0.72	0	0	0
204/56/SLS:CHR+	-0.49	0.16	-0.27	0	0	0
204/56/SLS:CHR-	-1.28	0.06	-0.72	0	0	0
204/56/SLS:FRE+	-0.49	0.13	-0.27	0	0	0
204/56/SLS:FRE-	-1.04	0.06	-0.59	0	0	0

204/56/SLS:QPR+	-0.49	0.12	-0.27	0	0	0
204/56/SLS:QPR-	-0.96	0.06	-0.54	0	0	0
204/56/ACC+	1.08	0.94	0.05	0.01	0	0
204/56/ACC-	-2.53	-0.76	-0.86	0	0	0
211/40/ULS+	0.57	0	2.41	0	-0.19	0.02
211/40/ULS-	0.16	0	0.63	0	-0.72	0
211/40/SLS+	0.4	0	1.67	0	-0.19	0.01
211/40/SLS-	0.16	0	0.63	0	-0.5	0
211/40/SLS:CHR+	0.4	0	1.67	0	-0.19	0.01
211/40/SLS:CHR-	0.16	0	0.63	0	-0.5	0
211/40/SLS:FRE+	0.33	0	1.36	0	-0.19	0.01
211/40/SLS:FRE-	0.16	0	0.63	0	-0.41	0
211/40/SLS:QPR+	0.3	0	1.25	0	-0.19	0.01
211/40/SLS:QPR-	0.16	0	0.63	0	-0.38	0
211/40/ACC+	1.68	0.78	1.47	0.02	0.01	0.26
211/40/ACC-	-1.21	-0.77	0.41	-0.01	-0.57	-0.25
211/59/ULS+	0.57	0	-0.64	0	-0.2	0.01
211/59/ULS-	0.16	0	-2.47	0	-0.78	0
211/59/SLS+	0.4	0	-0.64	0	-0.2	0.01
211/59/SLS-	0.16	0	-1.71	0	-0.54	0
211/59/SLS:CHR+	0.4	0	-0.64	0	-0.2	0.01
211/59/SLS:CHR-	0.16	0	-1.71	0	-0.54	0
211/59/SLS:FRE+	0.33	0	-0.64	0	-0.2	0
211/59/SLS:FRE-	0.16	0	-1.39	0	-0.44	0
211/59/SLS:QPR+	0.3	0	-0.64	0	-0.2	0
211/59/SLS:QPR-	0.16	0	-1.28	0	-0.4	0
211/59/ACC+	1.08	0.74	-0.43	0.02	0	0.23
211/59/ACC-	-0.62	-0.74	-1.5	-0.01	-0.61	-0.22
212/263/ULS+	0.07	0	2.89	0	-0.21	0
212/263/ULS-	0.03	-0.01	0.74	0	-0.82	-0.02
212/263/SLS+	0.05	0	2	0	-0.21	0
212/263/SLS-	0.03	-0.01	0.74	0	-0.57	-0.01
212/263/SLS:CHR+	0.05	0	2	0	-0.21	0
212/263/SLS:CHR-	0.03	-0.01	0.74	0	-0.57	-0.01
212/263/SLS:FRE+	0.04	0	1.62	0	-0.21	0
212/263/SLS:FRE-	0.03	0	0.74	0	-0.46	-0.01
212/263/SLS:QPR+	0.04	0	1.5	0	-0.21	0
212/263/SLS:QPR-	0.03	0	0.74	0	-0.42	-0.01
212/263/ACC+	1.4	0.97	1.56	0.01	-0.16	0.34
212/263/ACC-	-1.34	-0.98	0.68	-0.01	-0.48	-0.35
212/264/ULS+	0.07	0	-0.77	0	-0.24	0
212/264/ULS-	0.03	-0.01	-3	0	-0.92	0
212/264/SLS+	0.05	0	-0.77	0	-0.24	0
212/264/SLS-	0.03	-0.01	-2.08	0	-0.64	0

212/264/SLS:CHR+	0.05	0	-0.77	0	-0.24	0
212/264/SLS:CHR-	0.03	-0.01	-2.08	0	-0.64	0
212/264/SLS:FRE+	0.04	0	-0.77	0	-0.24	0
212/264/SLS:FRE-	0.03	0	-1.69	0	-0.52	0
212/264/SLS:QPR+	0.04	0	-0.77	0	-0.24	0
212/264/SLS:QPR-	0.03	0	-1.55	0	-0.48	0
212/264/ACC+	0.59	0.94	-0.7	0.01	-0.17	0.31
212/264/ACC-	-0.52	-0.94	-1.62	-0.01	-0.54	-0.31
213/42/ULS+	0.41	0	2.39	0	-0.18	0.01
213/42/ULS-	0.11	0	0.62	0	-0.7	0
213/42/SLS+	0.28	0	1.66	0	-0.18	0.01
213/42/SLS-	0.11	0	0.62	0	-0.49	0
213/42/SLS:CHR+	0.28	0	1.66	0	-0.18	0.01
213/42/SLS:CHR-	0.11	0	0.62	0	-0.49	0
213/42/SLS:FRE+	0.23	0	1.35	0	-0.18	0.01
213/42/SLS:FRE-	0.11	0	0.62	0	-0.39	0
213/42/SLS:QPR+	0.22	0	1.24	0	-0.18	0.01
213/42/SLS:QPR-	0.11	0	0.62	0	-0.36	0
213/42/ACC+	1.24	0.83	1.26	0.02	-0.17	0.31
213/42/ACC-	-0.91	-0.83	0.61	-0.02	-0.38	-0.3
213/61/ULS+	0.41	0	-0.65	0	-0.2	0.01
213/61/ULS-	0.11	0	-2.48	0	-0.79	0
213/61/SLS+	0.28	0	-0.65	0	-0.2	0.01
213/61/SLS-	0.11	0	-1.72	0	-0.54	0
213/61/SLS:CHR+	0.28	0	-0.65	0	-0.2	0.01
213/61/SLS:CHR-	0.11	0	-1.72	0	-0.54	0
213/61/SLS:FRE+	0.23	0	-0.65	0	-0.2	0
213/61/SLS:FRE-	0.11	0	-1.4	0	-0.44	0
213/61/SLS:QPR+	0.22	0	-0.65	0	-0.2	0
213/61/SLS:QPR-	0.11	0	-1.29	0	-0.41	0
213/61/ACC+	0.94	0.7	-0.63	0.02	-0.19	0.19
213/61/ACC-	-0.61	-0.7	-1.31	-0.02	-0.42	-0.18
214/268/ULS+	0.68	0	2.89	0	-0.21	-0.01
214/268/ULS-	0.18	-0.01	0.74	0	-0.82	-0.02
214/268/SLS+	0.47	0	2	0	-0.21	-0.01
214/268/SLS-	0.18	-0.01	0.74	0	-0.57	-0.02
214/268/SLS:CHR+	0.47	0	2	0	-0.21	-0.01
214/268/SLS:CHR-	0.18	-0.01	0.74	0	-0.57	-0.02
214/268/SLS:FRE+	0.38	0	1.62	0	-0.21	-0.01
214/268/SLS:FRE-	0.18	-0.01	0.74	0	-0.46	-0.01
214/268/SLS:QPR+	0.36	0	1.49	0	-0.21	-0.01
214/268/SLS:QPR-	0.18	-0.01	0.74	0	-0.42	-0.01
214/268/ACC+	1.68	1.01	1.56	0.01	-0.15	0.38
214/268/ACC-	-1.15	-1.02	0.67	-0.01	-0.48	-0.39

214/269/ULS+	0.68	0	-0.77	0	-0.24	0
214/269/ULS-	0.18	-0.01	-3.01	0	-0.93	0
214/269/SLS+	0.47	0	-0.77	0	-0.24	0
214/269/SLS-	0.18	-0.01	-2.08	0	-0.64	0
214/269/SLS:CHR+	0.47	0	-0.77	0	-0.24	0
214/269/SLS:CHR-	0.18	-0.01	-2.08	0	-0.64	0
214/269/SLS:FRE+	0.38	0	-0.77	0	-0.24	0
214/269/SLS:FRE-	0.18	-0.01	-1.69	0	-0.52	0
214/269/SLS:QPR+	0.36	0	-0.77	0	-0.24	0
214/269/SLS:QPR-	0.18	-0.01	-1.56	0	-0.48	0
214/269/ACC+	0.88	0.88	-0.7	0.01	-0.17	0.26
214/269/ACC-	-0.34	-0.89	-1.62	-0.01	-0.55	-0.26
215/44/ULS+	0.58	0	2.4	0	-0.18	0.01
215/44/ULS-	0.16	0	0.62	0	-0.71	0
215/44/SLS+	0.4	0	1.66	0	-0.18	0.01
215/44/SLS-	0.16	0	0.62	0	-0.49	0
215/44/SLS:CHR+	0.4	0	1.66	0	-0.18	0.01
215/44/SLS:CHR-	0.16	0	0.62	0	-0.49	0
215/44/SLS:FRE+	0.33	0	1.35	0	-0.18	0.01
215/44/SLS:FRE-	0.16	0	0.62	0	-0.4	0
215/44/SLS:QPR+	0.3	0	1.25	0	-0.18	0.01
215/44/SLS:QPR-	0.16	0	0.62	0	-0.37	0
215/44/ACC+	1.51	1	1.27	0.08	-0.16	0.45
215/44/ACC-	-1.05	-1	0.6	-0.07	-0.39	-0.44
215/63/ULS+	0.58	0	-0.65	0	-0.2	0.01
215/63/ULS-	0.16	0	-2.48	0	-0.79	0
215/63/SLS+	0.4	0	-0.65	0	-0.2	0.01
215/63/SLS-	0.16	0	-1.72	0	-0.54	0
215/63/SLS:CHR+	0.4	0	-0.65	0	-0.2	0.01
215/63/SLS:CHR-	0.16	0	-1.72	0	-0.54	0
215/63/SLS:FRE+	0.33	0	-0.65	0	-0.2	0.01
215/63/SLS:FRE-	0.16	0	-1.4	0	-0.44	0
215/63/SLS:QPR+	0.3	0	-0.65	0	-0.2	0.01
215/63/SLS:QPR-	0.16	0	-1.29	0	-0.41	0
215/63/ACC+	1.25	0.55	-0.62	0.08	-0.18	0.13
215/63/ACC-	-0.79	-0.55	-1.31	-0.07	-0.43	-0.12
216/258/ULS+	-0.24	0	2.9	0	-0.21	0
216/258/ULS-	-1.03	0	0.74	0	-0.81	-0.01
216/258/SLS+	-0.24	0	2	0	-0.21	0
216/258/SLS-	-0.71	0	0.74	0	-0.56	-0.01
216/258/SLS:CHR+	-0.24	0	2	0	-0.21	0
216/258/SLS:CHR-	-0.71	0	0.74	0	-0.56	-0.01
216/258/SLS:FRE+	-0.24	0	1.62	0	-0.21	0
216/258/SLS:FRE-	-0.57	0	0.74	0	-0.46	0

216/258/SLS:QPR+	-0.24	0	1.5	0	-0.21	0
216/258/SLS:QPR-	-0.52	0	0.74	0	-0.42	0
216/258/ACC+	1.26	1.15	1.56	0.03	-0.15	0.49
216/258/ACC-	-2.02	-1.15	0.67	-0.04	-0.48	-0.49
216/259/ULS+	-0.24	0	-0.77	0	-0.23	0
216/259/ULS-	-1.03	0	-3	0	-0.91	0
216/259/SLS+	-0.24	0	-0.77	0	-0.23	0
216/259/SLS-	-0.71	0	-2.08	0	-0.63	0
216/259/SLS:CHR+	-0.24	0	-0.77	0	-0.23	0
216/259/SLS:CHR-	-0.71	0	-2.08	0	-0.63	0
216/259/SLS:FRE+	-0.24	0	-0.77	0	-0.23	0
216/259/SLS:FRE-	-0.57	0	-1.68	0	-0.51	0
216/259/SLS:QPR+	-0.24	0	-0.77	0	-0.23	0
216/259/SLS:QPR-	-0.52	0	-1.55	0	-0.47	0
216/259/ACC+	0.68	0.72	-0.7	0.03	-0.17	0.13
216/259/ACC-	-1.44	-0.73	-1.62	-0.04	-0.54	-0.13
217/46/ULS+	1.34	0	4.15	0.01	-0.3	0
217/46/ULS-	0.33	-0.01	1.03	0	-1.22	-0.01
217/46/SLS+	0.92	0	2.87	0	-0.3	0
217/46/SLS-	0.33	-0.01	1.03	0	-0.84	0
217/46/SLS:CHR+	0.92	0	2.87	0	-0.3	0
217/46/SLS:CHR-	0.33	-0.01	1.03	0	-0.84	0
217/46/SLS:FRE+	0.75	0	2.31	0	-0.3	0
217/46/SLS:FRE-	0.33	-0.01	1.03	0	-0.68	0
217/46/SLS:QPR+	0.69	0	2.13	0	-0.3	0
217/46/SLS:QPR-	0.33	-0.01	1.03	0	-0.63	0
217/46/ACC+	2.14	1.64	2.16	0.22	-0.27	0.56
217/46/ACC-	-1.13	-1.64	1	-0.22	-0.66	-0.56
217/65/ULS+	1.34	0	-1.06	0.01	-0.34	0.02
217/65/ULS-	0.33	-0.01	-4.3	0	-1.36	0
217/65/SLS+	0.92	0	-1.06	0	-0.34	0.01
217/65/SLS-	0.33	-0.01	-2.97	0	-0.94	0
217/65/SLS:CHR+	0.92	0	-1.06	0	-0.34	0.01
217/65/SLS:CHR-	0.33	-0.01	-2.97	0	-0.94	0
217/65/SLS:FRE+	0.75	0	-1.06	0	-0.34	0.01
217/65/SLS:FRE-	0.33	-0.01	-2.4	0	-0.76	0
217/65/SLS:QPR+	0.69	0	-1.06	0	-0.34	0.01
217/65/SLS:QPR-	0.33	-0.01	-2.21	0	-0.7	0
217/65/ACC+	1.92	0.99	-1.04	0.22	-0.32	0.06
217/65/ACC-	-0.91	-1	-2.24	-0.22	-0.72	-0.05
218/51/ULS+	2.56	0	8.14	0.01	-0.57	0
218/51/ULS-	0.61	-0.01	1.95	0	-2.39	-0.01
218/51/SLS+	1.77	0	5.62	0	-0.57	0
218/51/SLS-	0.61	-0.01	1.95	0	-1.65	0

218/51/SLS:CHR+	1.77	0	5.62	0	-0.57	0
218/51/SLS:CHR-	0.61	-0.01	1.95	0	-1.65	0
218/51/SLS:FRE+	1.42	0	4.52	0	-0.57	0
218/51/SLS:FRE-	0.61	-0.01	1.95	0	-1.33	0
218/51/SLS:QPR+	1.3	0	4.15	0	-0.57	0
218/51/SLS:QPR-	0.61	-0.01	1.95	0	-1.22	0
218/51/ACC+	4.41	2.93	4.36	0.18	-0.37	0.93
218/51/ACC-	-2.5	-2.94	1.73	-0.18	-1.41	-0.94
218/70/ULS+	2.56	0	-2.02	0.01	-0.64	0.02
218/70/ULS-	0.61	-0.01	-8.46	0	-2.68	0
218/70/SLS+	1.77	0	-2.02	0	-0.64	0.01
218/70/SLS-	0.61	-0.01	-5.84	0	-1.85	0
218/70/SLS:CHR+	1.77	0	-2.02	0	-0.64	0.01
218/70/SLS:CHR-	0.61	-0.01	-5.84	0	-1.85	0
218/70/SLS:FRE+	1.42	0	-2.02	0	-0.64	0.01
218/70/SLS:FRE-	0.61	-0.01	-4.69	0	-1.49	0
218/70/SLS:QPR+	1.3	0	-2.02	0	-0.64	0.01
218/70/SLS:QPR-	0.61	-0.01	-4.31	0	-1.37	0
218/70/ACC+	3.5	2.32	-1.81	0.18	-0.44	0.36
218/70/ACC-	-1.6	-2.33	-4.52	-0.18	-1.57	-0.35
219/273/ULS+	-0.37	-0.01	4.61	-0.01	-0.31	-0.01
219/273/ULS-	-1.53	-0.03	1.13	-0.04	-1.26	-0.05
219/273/SLS+	-0.37	-0.01	3.19	-0.01	-0.31	-0.01
219/273/SLS-	-1.06	-0.02	1.13	-0.03	-0.87	-0.03
219/273/SLS:CHR+	-0.37	-0.01	3.19	-0.01	-0.31	-0.01
219/273/SLS:CHR-	-1.06	-0.02	1.13	-0.03	-0.87	-0.03
219/273/SLS:FRE+	-0.37	-0.01	2.57	-0.01	-0.31	-0.01
219/273/SLS:FRE-	-0.85	-0.02	1.13	-0.02	-0.7	-0.03
219/273/SLS:QPR+	-0.37	-0.01	2.36	-0.01	-0.31	-0.01
219/273/SLS:QPR-	-0.78	-0.02	1.13	-0.02	-0.65	-0.03
219/273/ACC+	1.96	2.16	2.47	-0.01	-0.22	1.02
219/273/ACC-	-3.11	-2.18	1.03	-0.02	-0.74	-1.06
219/274/ULS+	-0.37	-0.01	-1.19	-0.01	-0.37	0.02
219/274/ULS-	-1.53	-0.03	-4.86	-0.04	-1.49	0
219/274/SLS+	-0.37	-0.01	-1.19	-0.01	-0.37	0.01
219/274/SLS-	-1.06	-0.02	-3.36	-0.03	-1.03	0
219/274/SLS:CHR+	-0.37	-0.01	-1.19	-0.01	-0.37	0.01
219/274/SLS:CHR-	-1.06	-0.02	-3.36	-0.03	-1.03	0
219/274/SLS:FRE+	-0.37	-0.01	-1.19	-0.01	-0.37	0.01
219/274/SLS:FRE-	-0.85	-0.02	-2.71	-0.02	-0.83	0
219/274/SLS:QPR+	-0.37	-0.01	-1.19	-0.01	-0.37	0.01
219/274/SLS:QPR-	-0.78	-0.02	-2.49	-0.02	-0.76	0
219/274/ACC+	0.75	1.13	-1.09	-0.01	-0.26	0.59
219/274/ACC-	-1.9	-1.15	-2.59	-0.02	-0.87	-0.58

220/53/ULS+	1.23	-0.02	5.14	0.01	-0.37	-0.01
220/53/ULS-	0.27	-0.06	1.26	0	-1.5	-0.05
220/53/SLS+	0.85	-0.02	3.55	0.01	-0.37	-0.01
220/53/SLS-	0.27	-0.04	1.26	0	-1.03	-0.03
220/53/SLS:CHR+	0.85	-0.02	3.55	0.01	-0.37	-0.01
220/53/SLS:CHR-	0.27	-0.04	1.26	0	-1.03	-0.03
220/53/SLS:FRE+	0.67	-0.02	2.86	0	-0.37	-0.01
220/53/SLS:FRE-	0.27	-0.03	1.26	0	-0.83	-0.03
220/53/SLS:QPR+	0.62	-0.02	2.63	0	-0.37	-0.01
220/53/SLS:QPR-	0.27	-0.03	1.26	0	-0.77	-0.03
220/53/ACC+	2.09	2.73	2.85	0.35	-0.16	1.35
220/53/ACC-	-1.2	-2.78	1.04	-0.34	-0.97	-1.39
220/72/ULS+	1.23	-0.02	-1.3	0.01	-0.41	0.06
220/72/ULS-	0.27	-0.06	-5.35	0	-1.7	0.02
220/72/SLS+	0.85	-0.02	-1.3	0.01	-0.41	0.04
220/72/SLS-	0.27	-0.04	-3.7	0	-1.17	0.02
220/72/SLS:CHR+	0.85	-0.02	-1.3	0.01	-0.41	0.04
220/72/SLS:CHR-	0.27	-0.04	-3.7	0	-1.17	0.02
220/72/SLS:FRE+	0.67	-0.02	-1.3	0	-0.41	0.03
220/72/SLS:FRE-	0.27	-0.03	-2.98	0	-0.94	0.02
220/72/SLS:QPR+	0.62	-0.02	-1.3	0	-0.41	0.03
220/72/SLS:QPR-	0.27	-0.03	-2.74	0	-0.87	0.02
220/72/ACC+	2.52	0.52	-1.09	0.35	-0.21	0.74
220/72/ACC-	-1.63	-0.57	-2.96	-0.34	-1.07	-0.7
221/56/ULS+	1.19	0	4.89	0.01	-0.3	0
221/56/ULS-	0.25	-0.02	1.2	0	-1.2	0
221/56/SLS+	0.82	0	3.38	0.01	-0.3	0
221/56/SLS-	0.25	-0.01	1.2	0	-0.83	0
221/56/SLS:CHR+	0.82	0	3.38	0.01	-0.3	0
221/56/SLS:CHR-	0.25	-0.01	1.2	0	-0.83	0
221/56/SLS:FRE+	0.65	0	2.72	0.01	-0.3	0
221/56/SLS:FRE-	0.25	-0.01	1.2	0	-0.67	0
221/56/SLS:QPR+	0.59	0	2.51	0	-0.3	0
221/56/SLS:QPR-	0.25	-0.01	1.2	0	-0.62	0
221/56/ACC+	2.3	1.66	2.66	0.27	-0.17	0.02
221/56/ACC-	-1.46	-1.67	1.04	-0.26	-0.75	-0.03
221/75/ULS+	1.19	0	-1.36	0.01	-0.45	0.03
221/75/ULS-	0.25	-0.02	-5.59	0	-1.87	0.01
221/75/SLS+	0.82	0	-1.36	0.01	-0.45	0.02
221/75/SLS-	0.25	-0.01	-3.87	0	-1.29	0.01
221/75/SLS:CHR+	0.82	0	-1.36	0.01	-0.45	0.02
221/75/SLS:CHR-	0.25	-0.01	-3.87	0	-1.29	0.01
221/75/SLS:FRE+	0.65	0	-1.36	0.01	-0.45	0.01
221/75/SLS:FRE-	0.25	-0.01	-3.11	0	-1.04	0.01

221/75/SLS:QPR+	0.59	0	-1.36	0	-0.45	0.01
221/75/SLS:QPR-	0.25	-0.01	-2.86	0	-0.95	0.01
221/75/ACC+	2.96	1.61	-1.21	0.27	-0.29	0.03
221/75/ACC-	-2.11	-1.62	-3.02	-0.26	-1.12	-0.01
228/59/ULS+	0.6	0.04	2.45	0	-0.2	0.02
228/59/ULS-	0.17	0.01	0.64	0	-0.77	0
228/59/SLS+	0.42	0.03	1.7	0	-0.2	0.01
228/59/SLS-	0.17	0.01	0.64	0	-0.54	0
228/59/SLS:CHR+	0.42	0.03	1.7	0	-0.2	0.01
228/59/SLS:CHR-	0.17	0.01	0.64	0	-0.54	0
228/59/SLS:FRE+	0.34	0.02	1.38	0	-0.2	0.01
228/59/SLS:FRE-	0.17	0.01	0.64	0	-0.43	0
228/59/SLS:QPR+	0.32	0.02	1.27	0	-0.2	0.01
228/59/SLS:QPR-	0.17	0.01	0.64	0	-0.4	0
228/59/ACC+	1.35	0.76	1.5	0.01	0.01	0.23
228/59/ACC-	-0.86	-0.73	0.41	-0.01	-0.61	-0.22
228/78/ULS+	0.6	0.04	-0.63	0	-0.2	-0.02
228/78/ULS-	0.17	0.01	-2.43	0	-0.75	-0.07
228/78/SLS+	0.42	0.03	-0.63	0	-0.2	-0.02
228/78/SLS-	0.17	0.01	-1.68	0	-0.52	-0.05
228/78/SLS:CHR+	0.42	0.03	-0.63	0	-0.2	-0.02
228/78/SLS:CHR-	0.17	0.01	-1.68	0	-0.52	-0.05
228/78/SLS:FRE+	0.34	0.02	-0.63	0	-0.2	-0.02
228/78/SLS:FRE-	0.17	0.01	-1.37	0	-0.42	-0.04
228/78/SLS:QPR+	0.32	0.02	-0.63	0	-0.2	-0.02
228/78/SLS:QPR-	0.17	0.01	-1.26	0	-0.39	-0.03
228/78/ACC+	1.19	0.8	-0.41	0.01	0.01	0.25
228/78/ACC-	-0.71	-0.77	-1.49	-0.01	-0.6	-0.3
229/264/ULS+	0.05	-0.01	2.89	0	-0.23	0
229/264/ULS-	0.02	-0.04	0.74	0	-0.92	-0.02
229/264/SLS+	0.04	-0.01	2	0	-0.23	0
229/264/SLS-	0.02	-0.03	0.74	0	-0.64	-0.01
229/264/SLS:CHR+	0.04	-0.01	2	0	-0.23	0
229/264/SLS:CHR-	0.02	-0.03	0.74	0	-0.64	-0.01
229/264/SLS:FRE+	0.03	-0.01	1.62	0	-0.23	0
229/264/SLS:FRE-	0.02	-0.02	0.74	0	-0.52	-0.01
229/264/SLS:QPR+	0.03	-0.01	1.5	0	-0.23	0
229/264/SLS:QPR-	0.02	-0.02	0.74	0	-0.48	-0.01
229/264/ACC+	1.02	0.93	1.56	0.01	-0.17	0.31
229/264/ACC-	-0.97	-0.96	0.67	-0.01	-0.54	-0.32
229/265/ULS+	0.05	-0.01	-0.77	0	-0.26	0.06
229/265/ULS-	0.02	-0.04	-3.01	0	-1.03	0.01
229/265/SLS+	0.04	-0.01	-0.77	0	-0.26	0.04
229/265/SLS-	0.02	-0.03	-2.08	0	-0.71	0.01

229/265/SLS:CHR+	0.04	-0.01	-0.77	0	-0.26	0.04
229/265/SLS:CHR-	0.02	-0.03	-2.08	0	-0.71	0.01
229/265/SLS:FRE+	0.03	-0.01	-0.77	0	-0.26	0.03
229/265/SLS:FRE-	0.02	-0.02	-1.69	0	-0.58	0.01
229/265/SLS:QPR+	0.03	-0.01	-0.77	0	-0.26	0.03
229/265/SLS:QPR-	0.02	-0.02	-1.55	0	-0.53	0.01
229/265/ACC+	0.95	0.97	-0.7	0.01	-0.2	0.39
229/265/ACC-	-0.9	-1	-1.62	-0.01	-0.59	-0.34
230/61/ULS+	0.28	0.05	2.43	0	-0.2	0.02
230/61/ULS-	0.08	0.01	0.63	0	-0.76	0
230/61/SLS+	0.2	0.03	1.68	0	-0.2	0.01
230/61/SLS-	0.08	0.01	0.63	0	-0.52	0
230/61/SLS:CHR+	0.2	0.03	1.68	0	-0.2	0.01
230/61/SLS:CHR-	0.08	0.01	0.63	0	-0.52	0
230/61/SLS:FRE+	0.16	0.03	1.37	0	-0.2	0.01
230/61/SLS:FRE-	0.08	0.01	0.63	0	-0.43	0
230/61/SLS:QPR+	0.15	0.02	1.26	0	-0.2	0.01
230/61/SLS:QPR-	0.08	0.01	0.63	0	-0.39	0
230/61/ACC+	1.16	0.73	1.27	0.02	-0.19	0.2
230/61/ACC-	-0.92	-0.69	0.62	-0.02	-0.41	-0.18
230/80/ULS+	0.28	0.05	-0.64	0	-0.2	-0.02
230/80/ULS-	0.08	0.01	-2.45	0	-0.78	-0.07
230/80/SLS+	0.2	0.03	-0.64	0	-0.2	-0.02
230/80/SLS-	0.08	0.01	-1.7	0	-0.54	-0.04
230/80/SLS:CHR+	0.2	0.03	-0.64	0	-0.2	-0.02
230/80/SLS:CHR-	0.08	0.01	-1.7	0	-0.54	-0.04
230/80/SLS:FRE+	0.16	0.03	-0.64	0	-0.2	-0.02
230/80/SLS:FRE-	0.08	0.01	-1.38	0	-0.44	-0.04
230/80/SLS:QPR+	0.15	0.02	-0.64	0	-0.2	-0.02
230/80/SLS:QPR-	0.08	0.01	-1.27	0	-0.41	-0.03
230/80/ACC+	0.88	0.85	-0.62	0.02	-0.19	0.29
230/80/ACC-	-0.65	-0.82	-1.29	-0.02	-0.42	-0.34
231/269/ULS+	0.65	-0.01	2.91	0	-0.24	0
231/269/ULS-	0.17	-0.05	0.74	0	-0.93	-0.02
231/269/SLS+	0.45	-0.01	2.02	0	-0.24	0
231/269/SLS-	0.17	-0.03	0.74	0	-0.64	-0.01
231/269/SLS:CHR+	0.45	-0.01	2.02	0	-0.24	0
231/269/SLS:CHR-	0.17	-0.03	0.74	0	-0.64	-0.01
231/269/SLS:FRE+	0.37	-0.01	1.63	0	-0.24	0
231/269/SLS:FRE-	0.17	-0.03	0.74	0	-0.52	-0.01
231/269/SLS:QPR+	0.34	-0.01	1.51	0	-0.24	0
231/269/SLS:QPR-	0.17	-0.02	0.74	0	-0.48	-0.01
231/269/ACC+	1.3	0.88	1.58	0.01	-0.17	0.26
231/269/ACC-	-0.79	-0.91	0.67	-0.01	-0.55	-0.27

231/270/ULS+	0.65	-0.01	-0.76	0	-0.25	0.07
231/270/ULS-	0.17	-0.05	-2.98	0	-0.99	0.02
231/270/SLS+	0.45	-0.01	-0.76	0	-0.25	0.05
231/270/SLS-	0.17	-0.03	-2.07	0	-0.69	0.02
231/270/SLS:CHR+	0.45	-0.01	-0.76	0	-0.25	0.05
231/270/SLS:CHR-	0.17	-0.03	-2.07	0	-0.69	0.02
231/270/SLS:FRE+	0.37	-0.01	-0.76	0	-0.25	0.04
231/270/SLS:FRE-	0.17	-0.03	-1.67	0	-0.56	0.02
231/270/SLS:QPR+	0.34	-0.01	-0.76	0	-0.25	0.03
231/270/SLS:QPR-	0.17	-0.02	-1.54	0	-0.51	0.02
231/270/ACC+	1.23	1.01	-0.69	0.01	-0.19	0.42
231/270/ACC-	-0.71	-1.04	-1.61	-0.01	-0.58	-0.37
232/63/ULS+	0.47	0.05	2.43	0	-0.2	0.02
232/63/ULS-	0.13	0.01	0.63	0	-0.76	0.01
232/63/SLS+	0.32	0.03	1.68	0	-0.2	0.02
232/63/SLS-	0.13	0.01	0.63	0	-0.53	0.01
232/63/SLS:CHR+	0.32	0.03	1.68	0	-0.2	0.02
232/63/SLS:CHR-	0.13	0.01	0.63	0	-0.53	0.01
232/63/SLS:FRE+	0.27	0.03	1.37	0	-0.2	0.01
232/63/SLS:FRE-	0.13	0.01	0.63	0	-0.43	0.01
232/63/SLS:QPR+	0.25	0.02	1.26	0	-0.2	0.01
232/63/SLS:QPR-	0.13	0.01	0.63	0	-0.4	0.01
232/63/ACC+	1.36	0.59	1.29	0.07	-0.17	0.14
232/63/ACC-	-0.98	-0.55	0.61	-0.07	-0.42	-0.12
232/82/ULS+	0.47	0.05	-0.64	0	-0.2	-0.02
232/82/ULS-	0.13	0.01	-2.45	0	-0.77	-0.06
232/82/SLS+	0.32	0.03	-0.64	0	-0.2	-0.02
232/82/SLS-	0.13	0.01	-1.69	0	-0.54	-0.04
232/82/SLS:CHR+	0.32	0.03	-0.64	0	-0.2	-0.02
232/82/SLS:CHR-	0.13	0.01	-1.69	0	-0.54	-0.04
232/82/SLS:FRE+	0.27	0.03	-0.64	0	-0.2	-0.02
232/82/SLS:FRE-	0.13	0.01	-1.38	0	-0.44	-0.04
232/82/SLS:QPR+	0.25	0.02	-0.64	0	-0.2	-0.02
232/82/SLS:QPR-	0.13	0.01	-1.27	0	-0.4	-0.03
232/82/ACC+	1.2	1.02	-0.61	0.07	-0.18	0.43
232/82/ACC-	-0.83	-0.98	-1.3	-0.07	-0.43	-0.48
233/259/ULS+	-0.24	-0.01	2.87	0	-0.23	0
233/259/ULS-	-1.03	-0.03	0.73	0	-0.91	-0.01
233/259/SLS+	-0.24	-0.01	1.98	0	-0.23	0
233/259/SLS-	-0.71	-0.02	0.73	0	-0.63	-0.01
233/259/SLS:CHR+	-0.24	-0.01	1.98	0	-0.23	0
233/259/SLS:CHR-	-0.71	-0.02	0.73	0	-0.63	-0.01
233/259/SLS:FRE+	-0.24	-0.01	1.61	0	-0.23	0
233/259/SLS:FRE-	-0.57	-0.02	0.73	0	-0.51	-0.01

233/259/SLS:QPR+	-0.24	-0.01	1.48	0	-0.23	0
233/259/SLS:QPR-	-0.52	-0.01	0.73	0	-0.47	0
233/259/ACC+	0.94	0.73	1.55	0.03	-0.16	0.13
233/259/ACC-	-1.71	-0.75	0.66	-0.03	-0.54	-0.14
233/260/ULS+	-0.24	-0.01	-0.77	0	-0.27	0.04
233/260/ULS-	-1.03	-0.03	-3.03	0	-1.06	0.01
233/260/SLS+	-0.24	-0.01	-0.77	0	-0.27	0.03
233/260/SLS-	-0.71	-0.02	-2.1	0	-0.74	0.01
233/260/SLS:CHR+	-0.24	-0.01	-0.77	0	-0.27	0.03
233/260/SLS:CHR-	-0.71	-0.02	-2.1	0	-0.74	0.01
233/260/SLS:FRE+	-0.24	-0.01	-0.77	0	-0.27	0.02
233/260/SLS:FRE-	-0.57	-0.02	-1.7	0	-0.6	0.01
233/260/SLS:QPR+	-0.24	-0.01	-0.77	0	-0.27	0.02
233/260/SLS:QPR-	-0.52	-0.01	-1.57	0	-0.55	0.01
233/260/ACC+	0.83	1.14	-0.7	0.03	-0.21	0.51
233/260/ACC-	-1.59	-1.16	-1.64	-0.03	-0.61	-0.48
234/65/ULS+	1.13	0.01	4.22	0	-0.33	0.02
234/65/ULS-	0.28	0	1.04	-0.01	-1.33	0
234/65/SLS+	0.78	0.01	2.92	0	-0.33	0.01
234/65/SLS-	0.28	0	1.04	-0.01	-0.92	0
234/65/SLS:CHR+	0.78	0.01	2.92	0	-0.33	0.01
234/65/SLS:CHR-	0.28	0	1.04	-0.01	-0.92	0
234/65/SLS:FRE+	0.63	0.01	2.36	0	-0.33	0.01
234/65/SLS:FRE-	0.28	0	1.04	0	-0.74	0
234/65/SLS:QPR+	0.58	0.01	2.17	0	-0.33	0.01
234/65/SLS:QPR-	0.28	0	1.04	0	-0.68	0
234/65/ACC+	2.19	0.95	2.19	0.2	-0.31	0.06
234/65/ACC-	-1.33	-0.94	1.02	-0.2	-0.7	-0.05
234/84/ULS+	1.13	0.01	-1.05	0	-0.33	0
234/84/ULS-	0.28	0	-4.22	-0.01	-1.33	-0.01
234/84/SLS+	0.78	0.01	-1.05	0	-0.33	0
234/84/SLS-	0.28	0	-2.92	-0.01	-0.92	0
234/84/SLS:CHR+	0.78	0.01	-1.05	0	-0.33	0
234/84/SLS:CHR-	0.28	0	-2.92	-0.01	-0.92	0
234/84/SLS:FRE+	0.63	0.01	-1.05	0	-0.33	0
234/84/SLS:FRE-	0.28	0	-2.36	0	-0.74	0
234/84/SLS:QPR+	0.58	0.01	-1.05	0	-0.33	0
234/84/SLS:QPR-	0.28	0	-2.17	0	-0.68	0
234/84/ACC+	1.67	1.69	-1.02	0.2	-0.3	0.64
234/84/ACC-	-0.81	-1.68	-2.19	-0.2	-0.71	-0.64
235/70/ULS+	2.22	0.01	8.32	0	-0.62	0.02
235/70/ULS-	0.53	0	1.99	-0.01	-2.62	0
235/70/SLS+	1.53	0.01	5.75	0	-0.62	0.01
235/70/SLS-	0.53	0	1.99	0	-1.81	0

235/70/SLS:CHR+	1.53	0.01	5.75	0	-0.62	0.01
235/70/SLS:CHR-	0.53	0	1.99	0	-1.81	0
235/70/SLS:FRE+	1.23	0.01	4.62	0	-0.62	0.01
235/70/SLS:FRE-	0.53	0	1.99	0	-1.45	0
235/70/SLS:QPR+	1.13	0.01	4.24	0	-0.62	0.01
235/70/SLS:QPR-	0.53	0	1.99	0	-1.33	0
235/70/ACC+	4.21	2.23	4.47	0.16	-0.42	0.36
235/70/ACC-	-2.55	-2.22	1.77	-0.16	-1.54	-0.35
235/89/ULS+	2.22	0.01	-1.98	0	-0.62	0
235/89/ULS-	0.53	0	-8.28	-0.01	-2.58	0
235/89/SLS+	1.53	0.01	-1.98	0	-0.62	0
235/89/SLS-	0.53	0	-5.72	0	-1.78	0
235/89/SLS:CHR+	1.53	0.01	-1.98	0	-0.62	0
235/89/SLS:CHR-	0.53	0	-5.72	0	-1.78	0
235/89/SLS:FRE+	1.23	0.01	-1.98	0	-0.62	0
235/89/SLS:FRE-	0.53	0	-4.6	0	-1.43	0
235/89/SLS:QPR+	1.13	0.01	-1.98	0	-0.62	0
235/89/SLS:QPR-	0.53	0	-4.22	0	-1.31	0
235/89/ACC+	3.37	3.03	-1.76	0.16	-0.41	1.11
235/89/ACC-	-1.71	-3.03	-4.44	-0.16	-1.52	-1.11
236/274/ULS+	-0.37	0	4.65	0	-0.36	0.01
236/274/ULS-	-1.53	-0.02	1.14	-0.01	-1.48	0
236/274/SLS+	-0.37	0	3.21	0	-0.36	0
236/274/SLS-	-1.06	-0.01	1.14	-0.01	-1.03	0
236/274/SLS:CHR+	-0.37	0	3.21	0	-0.36	0
236/274/SLS:CHR-	-1.06	-0.01	1.14	-0.01	-1.03	0
236/274/SLS:FRE+	-0.37	0	2.59	0	-0.36	0
236/274/SLS:FRE-	-0.85	-0.01	1.14	0	-0.83	0
236/274/SLS:QPR+	-0.37	0	2.38	0	-0.36	0
236/274/SLS:QPR-	-0.78	-0.01	1.14	0	-0.76	0
236/274/ACC+	1.42	1.13	2.49	0	-0.26	0.6
236/274/ACC-	-2.58	-1.14	1.03	-0.01	-0.87	-0.59
236/275/ULS+	-0.37	0	-1.18	0	-0.41	0.04
236/275/ULS-	-1.53	-0.02	-4.82	-0.01	-1.65	0.01
236/275/SLS+	-0.37	0	-1.18	0	-0.41	0.03
236/275/SLS-	-1.06	-0.01	-3.33	-0.01	-1.14	0.01
236/275/SLS:CHR+	-0.37	0	-1.18	0	-0.41	0.03
236/275/SLS:CHR-	-1.06	-0.01	-3.33	-0.01	-1.14	0.01
236/275/SLS:FRE+	-0.37	0	-1.18	0	-0.41	0.02
236/275/SLS:FRE-	-0.85	-0.01	-2.69	0	-0.92	0.01
236/275/SLS:QPR+	-0.37	0	-1.18	0	-0.41	0.02
236/275/SLS:QPR-	-0.78	-0.01	-2.47	0	-0.84	0.01
236/275/ACC+	1.27	2.18	-1.08	0	-0.31	1.08
236/275/ACC-	-2.43	-2.19	-2.58	-0.01	-0.94	-1.05

237/72/ULS+	0.98	0.08	5.25	0	-0.4	0.06
237/72/ULS-	0.21	0.02	1.28	-0.01	-1.65	0.02
237/72/SLS+	0.68	0.06	3.63	0	-0.4	0.04
237/72/SLS-	0.21	0.02	1.28	-0.01	-1.14	0.02
237/72/SLS:CHR+	0.68	0.06	3.63	0	-0.4	0.04
237/72/SLS:CHR-	0.21	0.02	1.28	-0.01	-1.14	0.02
237/72/SLS:FRE+	0.54	0.04	2.93	0	-0.4	0.03
237/72/SLS:FRE-	0.21	0.02	1.28	-0.01	-0.92	0.02
237/72/SLS:QPR+	0.49	0.04	2.69	0	-0.4	0.03
237/72/SLS:QPR-	0.21	0.02	1.28	-0.01	-0.85	0.02
237/72/ACC+	2.21	0.58	2.91	0.36	-0.2	0.74
237/72/ACC-	-1.5	-0.51	1.06	-0.37	-1.05	-0.7
237/91/ULS+	0.98	0.08	-1.28	0	-0.4	-0.02
237/91/ULS-	0.21	0.02	-5.23	-0.01	-1.63	-0.09
237/91/SLS+	0.68	0.06	-1.28	0	-0.4	-0.02
237/91/SLS-	0.21	0.02	-3.62	-0.01	-1.13	-0.06
237/91/SLS:CHR+	0.68	0.06	-1.28	0	-0.4	-0.02
237/91/SLS:CHR-	0.21	0.02	-3.62	-0.01	-1.13	-0.06
237/91/SLS:FRE+	0.54	0.04	-1.28	0	-0.4	-0.02
237/91/SLS:FRE-	0.21	0.02	-2.91	-0.01	-0.91	-0.05
237/91/SLS:QPR+	0.49	0.04	-1.28	0	-0.4	-0.02
237/91/SLS:QPR-	0.21	0.02	-2.68	-0.01	-0.84	-0.05
237/91/ACC+	2.17	2.79	-1.06	0.36	-0.19	1.35
237/91/ACC-	-1.47	-2.73	-2.9	-0.37	-1.04	-1.42
238/75/ULS+	0.3	0.02	5.51	0	-0.43	0.03
238/75/ULS-	0.02	0	1.34	-0.01	-1.79	0.01
238/75/SLS+	0.2	0.01	3.8	0	-0.43	0.02
238/75/SLS-	0.02	0	1.34	-0.01	-1.24	0.01
238/75/SLS:CHR+	0.2	0.01	3.8	0	-0.43	0.02
238/75/SLS:CHR-	0.02	0	1.34	-0.01	-1.24	0.01
238/75/SLS:FRE+	0.14	0.01	3.06	0	-0.43	0.01
238/75/SLS:FRE-	0.02	0	1.34	0	-1	0.01
238/75/SLS:QPR+	0.13	0.01	2.82	0	-0.43	0.01
238/75/SLS:QPR-	0.02	0	1.34	0	-0.92	0.01
238/75/ACC+	3.01	1.63	2.96	0.26	-0.28	0.03
238/75/ACC-	-2.87	-1.62	1.2	-0.26	-1.07	-0.01
238/94/ULS+	0.3	0.02	-1.22	0	-0.32	0
238/94/ULS-	0.02	0	-4.98	-0.01	-1.3	0
238/94/SLS+	0.2	0.01	-1.22	0	-0.32	0
238/94/SLS-	0.02	0	-3.44	-0.01	-0.9	0
238/94/SLS:CHR+	0.2	0.01	-1.22	0	-0.32	0
238/94/SLS:CHR-	0.02	0	-3.44	-0.01	-0.9	0
238/94/SLS:FRE+	0.14	0.01	-1.22	0	-0.32	0
238/94/SLS:FRE-	0.02	0	-2.78	0	-0.73	0

238/94/SLS:QPR+	0.13	0.01	-1.22	0	-0.32	0
238/94/SLS:QPR-	0.02	0	-2.55	0	-0.67	0
238/94/ACC+	1.57	1.67	-1.08	0.26	-0.21	0.02
238/94/ACC-	-1.43	-1.66	-2.69	-0.26	-0.78	-0.02
245/78/ULS+	0.22	-0.03	2.38	0	-0.19	-0.01
245/78/ULS-	0.08	-0.13	0.62	-0.01	-0.73	-0.03
245/78/SLS+	0.15	-0.03	1.65	0	-0.19	-0.01
245/78/SLS-	0.08	-0.09	0.62	-0.01	-0.5	-0.02
245/78/SLS:CHR+	0.15	-0.03	1.65	0	-0.19	-0.01
245/78/SLS:CHR-	0.08	-0.09	0.62	-0.01	-0.5	-0.02
245/78/SLS:FRE+	0.13	-0.03	1.34	0	-0.19	-0.01
245/78/SLS:FRE-	0.08	-0.07	0.62	-0.01	-0.41	-0.02
245/78/SLS:QPR+	0.12	-0.03	1.24	0	-0.19	-0.01
245/78/SLS:QPR-	0.08	-0.07	0.62	-0.01	-0.38	-0.02
245/78/ACC+	0.87	0.68	1.52	0.01	0.05	0.21
245/78/ACC-	-0.67	-0.78	0.34	-0.02	-0.62	-0.23
245/4/ULS+	0.22	-0.03	-0.56	0	-0.14	0.19
245/4/ULS-	0.08	-0.13	-2.16	-0.01	-0.54	0.05
245/4/SLS+	0.15	-0.03	-0.56	0	-0.14	0.13
245/4/SLS-	0.08	-0.09	-1.5	-0.01	-0.37	0.05
245/4/SLS:CHR+	0.15	-0.03	-0.56	0	-0.14	0.13
245/4/SLS:CHR-	0.08	-0.09	-1.5	-0.01	-0.37	0.05
245/4/SLS:FRE+	0.13	-0.03	-0.56	0	-0.14	0.11
245/4/SLS:FRE-	0.08	-0.07	-1.22	-0.01	-0.3	0.05
245/4/SLS:QPR+	0.12	-0.03	-0.56	0	-0.14	0.1
245/4/SLS:QPR-	0.08	-0.07	-1.12	-0.01	-0.28	0.05
245/4/ACC+	1.15	0.68	-0.28	0.01	0.12	0.31
245/4/ACC-	-0.95	-0.77	-1.41	-0.02	-0.53	-0.17
246/265/ULS+	0.18	0.08	3.31	0.03	-0.27	0
246/265/ULS-	0.06	0.02	0.84	0.01	-1.05	0
246/265/SLS+	0.13	0.05	2.29	0.02	-0.27	0
246/265/SLS-	0.06	0.02	0.84	0.01	-0.72	0
246/265/SLS:CHR+	0.13	0.05	2.29	0.02	-0.27	0
246/265/SLS:CHR-	0.06	0.02	0.84	0.01	-0.72	0
246/265/SLS:FRE+	0.11	0.04	1.86	0.02	-0.27	0
246/265/SLS:FRE-	0.06	0.02	0.84	0.01	-0.59	0
246/265/SLS:QPR+	0.1	0.04	1.71	0.02	-0.27	0
246/265/SLS:QPR-	0.06	0.02	0.84	0.01	-0.54	0
246/265/ACC+	0.75	0.95	1.81	0.02	-0.19	0.3
246/265/ACC-	-0.59	-0.89	0.74	0	-0.62	-0.3
246/266/ULS+	0.18	0.08	-0.56	0.03	-0.02	-0.03
246/266/ULS-	0.06	0.02	-2.18	0.01	-0.06	-0.13
246/266/SLS+	0.13	0.05	-0.56	0.02	-0.02	-0.03
246/266/SLS-	0.06	0.02	-1.51	0.01	-0.04	-0.09

246/266/SLS:CHR+	0.13	0.05	-0.56	0.02	-0.02	-0.03
246/266/SLS:CHR-	0.06	0.02	-1.51	0.01	-0.04	-0.09
246/266/SLS:FRE+	0.11	0.04	-0.56	0.02	-0.02	-0.03
246/266/SLS:FRE-	0.06	0.02	-1.22	0.01	-0.03	-0.07
246/266/SLS:QPR+	0.1	0.04	-0.56	0.02	-0.02	-0.03
246/266/SLS:QPR-	0.06	0.02	-1.13	0.01	-0.03	-0.07
246/266/ACC+	1.23	0.95	-0.46	0.02	0.08	0.27
246/266/ACC-	-1.06	-0.89	-1.23	0	-0.13	-0.36
247/80/ULS+	0	-0.03	2.45	0	-0.2	0
247/80/ULS-	-0.08	-0.11	0.64	-0.01	-0.75	-0.02
247/80/SLS+	0	-0.03	1.7	0	-0.2	0
247/80/SLS-	-0.06	-0.07	0.64	-0.01	-0.52	-0.01
247/80/SLS:CHR+	0	-0.03	1.7	0	-0.2	0
247/80/SLS:CHR-	-0.06	-0.07	0.64	-0.01	-0.52	-0.01
247/80/SLS:FRE+	0	-0.03	1.38	0	-0.2	0
247/80/SLS:FRE-	-0.04	-0.06	0.64	-0.01	-0.42	-0.01
247/80/SLS:QPR+	0	-0.03	1.28	0	-0.2	0
247/80/SLS:QPR-	-0.04	-0.06	0.64	-0.01	-0.39	-0.01
247/80/ACC+	1.01	0.67	1.3	0.01	-0.18	0.2
247/80/ACC-	-1.05	-0.75	0.61	-0.02	-0.41	-0.22
247/8/ULS+	0	-0.03	-0.54	0	-0.11	0.17
247/8/ULS-	-0.08	-0.11	-2.08	-0.01	-0.43	0.04
247/8/SLS+	0	-0.03	-0.54	0	-0.11	0.12
247/8/SLS-	-0.06	-0.07	-1.44	-0.01	-0.3	0.04
247/8/SLS:CHR+	0	-0.03	-0.54	0	-0.11	0.12
247/8/SLS:CHR-	-0.06	-0.07	-1.44	-0.01	-0.3	0.04
247/8/SLS:FRE+	0	-0.03	-0.54	0	-0.11	0.09
247/8/SLS:FRE-	-0.04	-0.06	-1.17	-0.01	-0.24	0.04
247/8/SLS:QPR+	0	-0.03	-0.54	0	-0.11	0.09
247/8/SLS:QPR-	-0.04	-0.06	-1.08	-0.01	-0.22	0.04
247/8/ACC+	0.6	0.72	-0.52	0.01	-0.09	0.33
247/8/ACC-	-0.64	-0.8	-1.11	-0.02	-0.25	-0.21
248/270/ULS+	1.09	0.12	3.26	0.03	-0.26	0.02
248/270/ULS-	0.3	0.03	0.83	0.01	-1.04	0.01
248/270/SLS+	0.76	0.08	2.26	0.02	-0.26	0.02
248/270/SLS-	0.3	0.03	0.83	0.01	-0.72	0.01
248/270/SLS:CHR+	0.76	0.08	2.26	0.02	-0.26	0.02
248/270/SLS:CHR-	0.3	0.03	0.83	0.01	-0.72	0.01
248/270/SLS:FRE+	0.62	0.07	1.83	0.02	-0.26	0.01
248/270/SLS:FRE-	0.3	0.03	0.83	0.01	-0.58	0.01
248/270/SLS:QPR+	0.57	0.06	1.69	0.02	-0.26	0.01
248/270/SLS:QPR-	0.3	0.03	0.83	0.01	-0.54	0.01
248/270/ACC+	1.22	0.92	1.78	0.02	-0.19	0.27
248/270/ACC-	-0.35	-0.83	0.74	0	-0.61	-0.25

248/271/ULS+	1.09	0.12	-0.57	0.03	-0.04	-0.04
248/271/ULS-	0.3	0.03	-2.22	0.01	-0.13	-0.18
248/271/SLS+	0.76	0.08	-0.57	0.02	-0.04	-0.04
248/271/SLS-	0.3	0.03	-1.54	0.01	-0.09	-0.13
248/271/SLS:CHR+	0.76	0.08	-0.57	0.02	-0.04	-0.04
248/271/SLS:CHR-	0.3	0.03	-1.54	0.01	-0.09	-0.13
248/271/SLS:FRE+	0.62	0.07	-0.57	0.02	-0.04	-0.04
248/271/SLS:FRE-	0.3	0.03	-1.25	0.01	-0.07	-0.1
248/271/SLS:QPR+	0.57	0.06	-0.57	0.02	-0.04	-0.04
248/271/SLS:QPR-	0.3	0.03	-1.15	0.01	-0.07	-0.09
248/271/ACC+	1.62	1	-0.47	0.02	0.06	0.28
248/271/ACC-	-0.75	-0.91	-1.25	0	-0.16	-0.42
249/82/ULS+	0.14	-0.02	2.43	-0.01	-0.19	0
249/82/ULS-	0.05	-0.1	0.63	-0.02	-0.74	-0.01
249/82/SLS+	0.1	-0.02	1.68	-0.01	-0.19	0
249/82/SLS-	0.05	-0.07	0.63	-0.01	-0.51	-0.01
249/82/SLS:CHR+	0.1	-0.02	1.68	-0.01	-0.19	0
249/82/SLS:CHR-	0.05	-0.07	0.63	-0.01	-0.51	-0.01
249/82/SLS:FRE+	0.09	-0.02	1.37	-0.01	-0.19	0
249/82/SLS:FRE-	0.05	-0.06	0.63	-0.01	-0.42	-0.01
249/82/SLS:QPR+	0.08	-0.02	1.26	-0.01	-0.19	0
249/82/SLS:QPR-	0.05	-0.05	0.63	-0.01	-0.39	-0.01
249/82/ACC+	1.08	0.6	1.3	0.05	-0.17	0.17
249/82/ACC-	-0.94	-0.67	0.6	-0.06	-0.41	-0.18
249/12/ULS+	0.14	-0.02	-0.55	-0.01	-0.12	0.16
249/12/ULS-	0.05	-0.1	-2.11	-0.02	-0.47	0.04
249/12/SLS+	0.1	-0.02	-0.55	-0.01	-0.12	0.11
249/12/SLS-	0.05	-0.07	-1.46	-0.01	-0.32	0.04
249/12/SLS:CHR+	0.1	-0.02	-0.55	-0.01	-0.12	0.11
249/12/SLS:CHR-	0.05	-0.07	-1.46	-0.01	-0.32	0.04
249/12/SLS:FRE+	0.09	-0.02	-0.55	-0.01	-0.12	0.09
249/12/SLS:FRE-	0.05	-0.06	-1.19	-0.01	-0.26	0.04
249/12/SLS:QPR+	0.08	-0.02	-0.55	-0.01	-0.12	0.08
249/12/SLS:QPR-	0.05	-0.05	-1.1	-0.01	-0.24	0.04
249/12/ACC+	0.76	0.83	-0.52	0.05	-0.09	0.43
249/12/ACC-	-0.63	-0.9	-1.13	-0.06	-0.27	-0.31
250/260/ULS+	-0.26	0.05	3.38	0.03	-0.27	0
250/260/ULS-	-1.16	0.01	0.86	0.01	-1.06	0
250/260/SLS+	-0.26	0.03	2.34	0.02	-0.27	0
250/260/SLS-	-0.8	0.01	0.86	0.01	-0.74	0
250/260/SLS:CHR+	-0.26	0.03	2.34	0.02	-0.27	0
250/260/SLS:CHR-	-0.8	0.01	0.86	0.01	-0.74	0
250/260/SLS:FRE+	-0.26	0.03	1.9	0.02	-0.27	0
250/260/SLS:FRE-	-0.64	0.01	0.86	0.01	-0.6	0

250/260/SLS:QPR+	-0.26	0.02	1.75	0.02	-0.27	0
250/260/SLS:QPR-	-0.58	0.01	0.86	0.01	-0.55	0
250/260/ACC+	0.54	0.79	1.85	0.04	-0.19	0.18
250/260/ACC-	-1.39	-0.75	0.76	-0.02	-0.63	-0.18
250/261/ULS+	-0.26	0.05	-0.54	0.03	0.05	-0.02
250/261/ULS-	-1.16	0.01	-2.1	0.01	0.01	-0.08
250/261/SLS+	-0.26	0.03	-0.54	0.02	0.04	-0.02
250/261/SLS-	-0.8	0.01	-1.46	0.01	0.01	-0.06
250/261/SLS:CHR+	-0.26	0.03	-0.54	0.02	0.04	-0.02
250/261/SLS:CHR-	-0.8	0.01	-1.46	0.01	0.01	-0.06
250/261/SLS:FRE+	-0.26	0.03	-0.54	0.02	0.03	-0.02
250/261/SLS:FRE-	-0.64	0.01	-1.18	0.01	0.01	-0.05
250/261/SLS:QPR+	-0.26	0.02	-0.54	0.02	0.03	-0.02
250/261/SLS:QPR-	-0.58	0.01	-1.09	0.01	0.01	-0.04
250/261/ACC+	0.87	1.02	-0.44	0.04	0.13	0.36
250/261/ACC-	-1.72	-0.98	-1.19	-0.02	-0.09	-0.42
251/84/ULS+	1.24	0	4.24	0	-0.32	0
251/84/ULS-	0.3	0	1.05	0	-1.31	0
251/84/SLS+	0.86	0	2.93	0	-0.32	0
251/84/SLS-	0.3	0	1.05	0	-0.91	0
251/84/SLS:CHR+	0.86	0	2.93	0	-0.32	0
251/84/SLS:CHR-	0.3	0	1.05	0	-0.91	0
251/84/SLS:FRE+	0.69	0	2.37	0	-0.32	0
251/84/SLS:FRE-	0.3	0	1.05	0	-0.73	0
251/84/SLS:QPR+	0.64	0	2.18	0	-0.32	0
251/84/SLS:QPR-	0.3	0	1.05	0	-0.67	0
251/84/ACC+	2.48	1.58	2.22	0.14	-0.29	0.63
251/84/ACC-	-1.54	-1.58	1	-0.14	-0.71	-0.64
251/16/ULS+	1.24	0	-0.9	0	-0.19	0
251/16/ULS-	0.3	0	-3.62	0	-0.77	0
251/16/SLS+	0.86	0	-0.9	0	-0.19	0
251/16/SLS-	0.3	0	-2.5	0	-0.53	0
251/16/SLS:CHR+	0.86	0	-0.9	0	-0.19	0
251/16/SLS:CHR-	0.3	0	-2.5	0	-0.53	0
251/16/SLS:FRE+	0.69	0	-0.9	0	-0.19	0
251/16/SLS:FRE-	0.3	0	-2.02	0	-0.43	0
251/16/SLS:QPR+	0.64	0	-0.9	0	-0.19	0
251/16/SLS:QPR-	0.3	0	-1.86	0	-0.4	0
251/16/ACC+	1.33	0.86	-0.85	0.14	-0.15	0
251/16/ACC-	-0.39	-0.86	-1.9	-0.14	-0.44	0
252/89/ULS+	2.56	0	8.34	0	-0.62	0
252/89/ULS-	0.61	0	1.99	-0.01	-2.6	0
252/89/SLS+	1.77	0	5.76	0	-0.62	0
252/89/SLS-	0.61	0	1.99	0	-1.8	0

252/89/SLS:CHR+	1.77	0	5.76	0	-0.62	0
252/89/SLS:CHR-	0.61	0	1.99	0	-1.8	0
252/89/SLS:FRE+	1.42	0	4.63	0	-0.62	0
252/89/SLS:FRE-	0.61	0	1.99	0	-1.44	0
252/89/SLS:QPR+	1.3	0	4.25	0	-0.62	0
252/89/SLS:QPR-	0.61	0	1.99	0	-1.33	0
252/89/ACC+	4.49	3.07	4.47	0.13	-0.42	1.11
252/89/ACC-	-2.58	-3.08	1.77	-0.14	-1.53	-1.11
252/26/ULS+	2.56	0	-1.7	0	-0.37	0
252/26/ULS-	0.61	0	-7.11	-0.01	-1.53	0
252/26/SLS+	1.77	0	-1.7	0	-0.37	0
252/26/SLS-	0.61	0	-4.91	0	-1.06	0
252/26/SLS:CHR+	1.77	0	-1.7	0	-0.37	0
252/26/SLS:CHR-	0.61	0	-4.91	0	-1.06	0
252/26/SLS:FRE+	1.42	0	-1.7	0	-0.37	0
252/26/SLS:FRE-	0.61	0	-3.95	0	-0.85	0
252/26/SLS:QPR+	1.3	0	-1.7	0	-0.37	0
252/26/SLS:QPR-	0.61	0	-3.63	0	-0.78	0
252/26/ACC+	3.04	1.81	-1.48	0.13	-0.18	0.01
252/26/ACC-	-1.13	-1.81	-3.85	-0.14	-0.96	-0.01
253/275/ULS+	-0.32	0.09	5.39	0.24	-0.41	-0.01
253/275/ULS-	-1.26	0.02	1.32	0.06	-1.68	-0.02
253/275/SLS+	-0.32	0.06	3.73	0.17	-0.41	-0.01
253/275/SLS-	-0.87	0.02	1.32	0.06	-1.16	-0.01
253/275/SLS:CHR+	-0.32	0.06	3.73	0.17	-0.41	-0.01
253/275/SLS:CHR-	-0.87	0.02	1.32	0.06	-1.16	-0.01
253/275/SLS:FRE+	-0.32	0.05	3.01	0.13	-0.41	-0.01
253/275/SLS:FRE-	-0.71	0.02	1.32	0.06	-0.94	-0.01
253/275/SLS:QPR+	-0.32	0.05	2.77	0.12	-0.41	-0.01
253/275/SLS:QPR-	-0.65	0.02	1.32	0.06	-0.86	-0.01
253/275/ACC+	0.93	1.51	2.92	0.13	-0.29	0.73
253/275/ACC-	-1.9	-1.44	1.17	0.05	-0.99	-0.74
253/276/ULS+	-0.32	0.09	-0.84	0.24	0.04	-0.04
253/276/ULS-	-1.26	0.02	-3.42	0.06	0.01	-0.18
253/276/SLS+	-0.32	0.06	-0.84	0.17	0.03	-0.04
253/276/SLS-	-0.87	0.02	-2.36	0.06	0.01	-0.12
253/276/SLS:CHR+	-0.32	0.06	-0.84	0.17	0.03	-0.04
253/276/SLS:CHR-	-0.87	0.02	-2.36	0.06	0.01	-0.12
253/276/SLS:FRE+	-0.32	0.05	-0.84	0.13	0.02	-0.04
253/276/SLS:FRE-	-0.71	0.02	-1.9	0.06	0.01	-0.1
253/276/SLS:QPR+	-0.32	0.05	-0.84	0.12	0.02	-0.04
253/276/SLS:QPR-	-0.65	0.02	-1.75	0.06	0.01	-0.09
253/276/ACC+	1.5	1.8	-0.68	0.13	0.17	0.83
253/276/ACC-	-2.47	-1.73	-1.91	0.05	-0.14	-0.96

254/91/ULS+	0.75	-0.07	5.05	0.01	-0.38	-0.02
254/91/ULS-	0.18	-0.24	1.26	0	-1.52	-0.09
254/91/SLS+	0.52	-0.07	3.49	0.01	-0.38	-0.02
254/91/SLS-	0.18	-0.17	1.26	0	-1.05	-0.06
254/91/SLS:CHR+	0.52	-0.07	3.49	0.01	-0.38	-0.02
254/91/SLS:CHR-	0.18	-0.17	1.26	0	-1.05	-0.06
254/91/SLS:FRE+	0.42	-0.07	2.82	0.01	-0.38	-0.02
254/91/SLS:FRE-	0.18	-0.14	1.26	0	-0.85	-0.05
254/91/SLS:QPR+	0.38	-0.07	2.6	0.01	-0.38	-0.02
254/91/SLS:QPR-	0.18	-0.13	1.26	0	-0.78	-0.05
254/91/ACC+	2.1	2.59	2.97	0.18	-0.09	1.35
254/91/ACC-	-1.53	-2.78	0.89	-0.17	-1.07	-1.42
254/38/ULS+	1.2	-0.02	-0.77	0.07	-0.17	0.01
254/38/ULS-	0.31	-0.06	-2.98	0.02	-0.66	0
254/38/SLS+	0.83	-0.02	-0.77	0.05	-0.17	0
254/38/SLS-	0.31	-0.04	-2.07	0.02	-0.46	0
254/38/SLS:CHR+	0.83	-0.02	-0.77	0.05	-0.17	0
254/38/SLS:CHR-	0.31	-0.04	-2.07	0.02	-0.46	0
254/38/SLS:FRE+	0.67	-0.02	-0.77	0.04	-0.17	0
254/38/SLS:FRE-	0.31	-0.03	-1.68	0.02	-0.37	0
254/38/SLS:QPR+	0.62	-0.02	-0.77	0.03	-0.17	0
254/38/SLS:QPR-	0.31	-0.03	-1.55	0.02	-0.35	0
254/38/ACC+	1.7	0.64	-0.46	0.12	0.11	0.01
254/38/ACC-	-0.78	-0.68	-1.86	-0.07	-0.63	0
272/23/ULS+	0.26	N/A	N/A	N/A	N/A	N/A
272/23/ULS-	0.09	N/A	N/A	N/A	N/A	N/A
272/23/SLS+	0.18	N/A	N/A	N/A	N/A	N/A
272/23/SLS-	0.09	N/A	N/A	N/A	N/A	N/A
272/23/SLS:CHR+	0.18	N/A	N/A	N/A	N/A	N/A
272/23/SLS:CHR-	0.09	N/A	N/A	N/A	N/A	N/A
272/23/SLS:FRE+	0.15	N/A	N/A	N/A	N/A	N/A
272/23/SLS:FRE-	0.09	N/A	N/A	N/A	N/A	N/A
272/23/SLS:QPR+	0.14	N/A	N/A	N/A	N/A	N/A
272/23/SLS:QPR-	0.09	N/A	N/A	N/A	N/A	N/A
272/23/ACC+	3.21	N/A	N/A	N/A	N/A	N/A
272/23/ACC-	-2.98	N/A	N/A	N/A	N/A	N/A
272/28/ULS+	0.21	N/A	N/A	N/A	N/A	N/A
272/28/ULS-	0.05	N/A	N/A	N/A	N/A	N/A
272/28/SLS+	0.15	N/A	N/A	N/A	N/A	N/A
272/28/SLS-	0.05	N/A	N/A	N/A	N/A	N/A
272/28/SLS:CHR+	0.15	N/A	N/A	N/A	N/A	N/A
272/28/SLS:CHR-	0.05	N/A	N/A	N/A	N/A	N/A
272/28/SLS:FRE+	0.12	N/A	N/A	N/A	N/A	N/A
272/28/SLS:FRE-	0.05	N/A	N/A	N/A	N/A	N/A

272/28/SLS:QPR+	0.11	N/A	N/A	N/A	N/A	N/A
272/28/SLS:QPR-	0.05	N/A	N/A	N/A	N/A	N/A
272/28/ACC+	3.18	N/A	N/A	N/A	N/A	N/A
272/28/ACC-	-3.02	N/A	N/A	N/A	N/A	N/A
273/24/ULS+	0.79	N/A	N/A	N/A	N/A	N/A
273/24/ULS-	0.2	N/A	N/A	N/A	N/A	N/A
273/24/SLS+	0.55	N/A	N/A	N/A	N/A	N/A
273/24/SLS-	0.2	N/A	N/A	N/A	N/A	N/A
273/24/SLS:CHR+	0.55	N/A	N/A	N/A	N/A	N/A
273/24/SLS:CHR-	0.2	N/A	N/A	N/A	N/A	N/A
273/24/SLS:FRE+	0.44	N/A	N/A	N/A	N/A	N/A
273/24/SLS:FRE-	0.2	N/A	N/A	N/A	N/A	N/A
273/24/SLS:QPR+	0.41	N/A	N/A	N/A	N/A	N/A
273/24/SLS:QPR-	0.2	N/A	N/A	N/A	N/A	N/A
273/24/ACC+	3.5	N/A	N/A	N/A	N/A	N/A
273/24/ACC-	-2.89	N/A	N/A	N/A	N/A	N/A
273/27/ULS+	0.84	N/A	N/A	N/A	N/A	N/A
273/27/ULS-	0.24	N/A	N/A	N/A	N/A	N/A
273/27/SLS+	0.58	N/A	N/A	N/A	N/A	N/A
273/27/SLS-	0.24	N/A	N/A	N/A	N/A	N/A
273/27/SLS:CHR+	0.58	N/A	N/A	N/A	N/A	N/A
273/27/SLS:CHR-	0.24	N/A	N/A	N/A	N/A	N/A
273/27/SLS:FRE+	0.48	N/A	N/A	N/A	N/A	N/A
273/27/SLS:FRE-	0.24	N/A	N/A	N/A	N/A	N/A
273/27/SLS:QPR+	0.45	N/A	N/A	N/A	N/A	N/A
273/27/SLS:QPR-	0.24	N/A	N/A	N/A	N/A	N/A
273/27/ACC+	3.54	N/A	N/A	N/A	N/A	N/A
273/27/ACC-	-2.85	N/A	N/A	N/A	N/A	N/A
274/13/ULS+	0.47	N/A	N/A	N/A	N/A	N/A
274/13/ULS-	0.13	N/A	N/A	N/A	N/A	N/A
274/13/SLS+	0.33	N/A	N/A	N/A	N/A	N/A
274/13/SLS-	0.13	N/A	N/A	N/A	N/A	N/A
274/13/SLS:CHR+	0.33	N/A	N/A	N/A	N/A	N/A
274/13/SLS:CHR-	0.13	N/A	N/A	N/A	N/A	N/A
274/13/SLS:FRE+	0.27	N/A	N/A	N/A	N/A	N/A
274/13/SLS:FRE-	0.13	N/A	N/A	N/A	N/A	N/A
274/13/SLS:QPR+	0.25	N/A	N/A	N/A	N/A	N/A
274/13/SLS:QPR-	0.13	N/A	N/A	N/A	N/A	N/A
274/13/ACC+	3.2	N/A	N/A	N/A	N/A	N/A
274/13/ACC-	-2.82	N/A	N/A	N/A	N/A	N/A
274/24/ULS+	0.42	N/A	N/A	N/A	N/A	N/A
274/24/ULS-	0.09	N/A	N/A	N/A	N/A	N/A
274/24/SLS+	0.29	N/A	N/A	N/A	N/A	N/A
274/24/SLS-	0.09	N/A	N/A	N/A	N/A	N/A

274/24/SLS:CHR+	0.29	N/A	N/A	N/A	N/A	N/A
274/24/SLS:CHR-	0.09	N/A	N/A	N/A	N/A	N/A
274/24/SLS:FRE+	0.23	N/A	N/A	N/A	N/A	N/A
274/24/SLS:FRE-	0.09	N/A	N/A	N/A	N/A	N/A
274/24/SLS:QPR+	0.21	N/A	N/A	N/A	N/A	N/A
274/24/SLS:QPR-	0.09	N/A	N/A	N/A	N/A	N/A
274/24/ACC+	3.16	N/A	N/A	N/A	N/A	N/A
274/24/ACC-	-2.86	N/A	N/A	N/A	N/A	N/A
275/14/ULS+	0.55	N/A	N/A	N/A	N/A	N/A
275/14/ULS-	0.14	N/A	N/A	N/A	N/A	N/A
275/14/SLS+	0.38	N/A	N/A	N/A	N/A	N/A
275/14/SLS-	0.14	N/A	N/A	N/A	N/A	N/A
275/14/SLS:CHR+	0.38	N/A	N/A	N/A	N/A	N/A
275/14/SLS:CHR-	0.14	N/A	N/A	N/A	N/A	N/A
275/14/SLS:FRE+	0.31	N/A	N/A	N/A	N/A	N/A
275/14/SLS:FRE-	0.14	N/A	N/A	N/A	N/A	N/A
275/14/SLS:QPR+	0.29	N/A	N/A	N/A	N/A	N/A
275/14/SLS:QPR-	0.14	N/A	N/A	N/A	N/A	N/A
275/14/ACC+	3.33	N/A	N/A	N/A	N/A	N/A
275/14/ACC-	-2.9	N/A	N/A	N/A	N/A	N/A
275/23/ULS+	0.6	N/A	N/A	N/A	N/A	N/A
275/23/ULS-	0.18	N/A	N/A	N/A	N/A	N/A
275/23/SLS+	0.42	N/A	N/A	N/A	N/A	N/A
275/23/SLS-	0.18	N/A	N/A	N/A	N/A	N/A
275/23/SLS:CHR+	0.42	N/A	N/A	N/A	N/A	N/A
275/23/SLS:CHR-	0.18	N/A	N/A	N/A	N/A	N/A
275/23/SLS:FRE+	0.35	N/A	N/A	N/A	N/A	N/A
275/23/SLS:FRE-	0.18	N/A	N/A	N/A	N/A	N/A
275/23/SLS:QPR+	0.32	N/A	N/A	N/A	N/A	N/A
275/23/SLS:QPR-	0.18	N/A	N/A	N/A	N/A	N/A
275/23/ACC+	3.37	N/A	N/A	N/A	N/A	N/A
275/23/ACC-	-2.87	N/A	N/A	N/A	N/A	N/A
288/25/ULS+	0.39	N/A	N/A	N/A	N/A	N/A
288/25/ULS-	0.11	N/A	N/A	N/A	N/A	N/A
288/25/SLS+	0.27	N/A	N/A	N/A	N/A	N/A
288/25/SLS-	0.11	N/A	N/A	N/A	N/A	N/A
288/25/SLS:CHR+	0.27	N/A	N/A	N/A	N/A	N/A
288/25/SLS:CHR-	0.11	N/A	N/A	N/A	N/A	N/A
288/25/SLS:FRE+	0.22	N/A	N/A	N/A	N/A	N/A
288/25/SLS:FRE-	0.11	N/A	N/A	N/A	N/A	N/A
288/25/SLS:QPR+	0.21	N/A	N/A	N/A	N/A	N/A
288/25/SLS:QPR-	0.11	N/A	N/A	N/A	N/A	N/A
288/25/ACC+	4.15	N/A	N/A	N/A	N/A	N/A
288/25/ACC-	-3.82	N/A	N/A	N/A	N/A	N/A

288/30/ULS+	0.34	N/A	N/A	N/A	N/A	N/A
288/30/ULS-	0.08	N/A	N/A	N/A	N/A	N/A
288/30/SLS+	0.24	N/A	N/A	N/A	N/A	N/A
288/30/SLS-	0.08	N/A	N/A	N/A	N/A	N/A
288/30/SLS:CHR+	0.24	N/A	N/A	N/A	N/A	N/A
288/30/SLS:CHR-	0.08	N/A	N/A	N/A	N/A	N/A
288/30/SLS:FRE+	0.19	N/A	N/A	N/A	N/A	N/A
288/30/SLS:FRE-	0.08	N/A	N/A	N/A	N/A	N/A
288/30/SLS:QPR+	0.17	N/A	N/A	N/A	N/A	N/A
288/30/SLS:QPR-	0.08	N/A	N/A	N/A	N/A	N/A
288/30/ACC+	4.11	N/A	N/A	N/A	N/A	N/A
288/30/ACC-	-3.86	N/A	N/A	N/A	N/A	N/A
289/26/ULS+	1.15	N/A	N/A	N/A	N/A	N/A
289/26/ULS-	0.29	N/A	N/A	N/A	N/A	N/A
289/26/SLS+	0.79	N/A	N/A	N/A	N/A	N/A
289/26/SLS-	0.29	N/A	N/A	N/A	N/A	N/A
289/26/SLS:CHR+	0.79	N/A	N/A	N/A	N/A	N/A
289/26/SLS:CHR-	0.29	N/A	N/A	N/A	N/A	N/A
289/26/SLS:FRE+	0.64	N/A	N/A	N/A	N/A	N/A
289/26/SLS:FRE-	0.29	N/A	N/A	N/A	N/A	N/A
289/26/SLS:QPR+	0.59	N/A	N/A	N/A	N/A	N/A
289/26/SLS:QPR-	0.29	N/A	N/A	N/A	N/A	N/A
289/26/ACC+	4.53	N/A	N/A	N/A	N/A	N/A
289/26/ACC-	-3.64	N/A	N/A	N/A	N/A	N/A
289/29/ULS+	1.2	N/A	N/A	N/A	N/A	N/A
289/29/ULS-	0.33	N/A	N/A	N/A	N/A	N/A
289/29/SLS+	0.83	N/A	N/A	N/A	N/A	N/A
289/29/SLS-	0.33	N/A	N/A	N/A	N/A	N/A
289/29/SLS:CHR+	0.83	N/A	N/A	N/A	N/A	N/A
289/29/SLS:CHR-	0.33	N/A	N/A	N/A	N/A	N/A
289/29/SLS:FRE+	0.68	N/A	N/A	N/A	N/A	N/A
289/29/SLS:FRE-	0.33	N/A	N/A	N/A	N/A	N/A
289/29/SLS:QPR+	0.63	N/A	N/A	N/A	N/A	N/A
289/29/SLS:QPR-	0.33	N/A	N/A	N/A	N/A	N/A
289/29/ACC+	4.56	N/A	N/A	N/A	N/A	N/A
289/29/ACC-	-3.6	N/A	N/A	N/A	N/A	N/A
290/15/ULS+	0.67	N/A	N/A	N/A	N/A	N/A
290/15/ULS-	0.18	N/A	N/A	N/A	N/A	N/A
290/15/SLS+	0.46	N/A	N/A	N/A	N/A	N/A
290/15/SLS-	0.18	N/A	N/A	N/A	N/A	N/A
290/15/SLS:CHR+	0.46	N/A	N/A	N/A	N/A	N/A
290/15/SLS:CHR-	0.18	N/A	N/A	N/A	N/A	N/A
290/15/SLS:FRE+	0.38	N/A	N/A	N/A	N/A	N/A
290/15/SLS:FRE-	0.18	N/A	N/A	N/A	N/A	N/A

290/15/SLS:QPR+	0.35	N/A	N/A	N/A	N/A	N/A
290/15/SLS:QPR-	0.18	N/A	N/A	N/A	N/A	N/A
290/15/ACC+	4.17	N/A	N/A	N/A	N/A	N/A
290/15/ACC-	-3.65	N/A	N/A	N/A	N/A	N/A
290/26/ULS+	0.62	N/A	N/A	N/A	N/A	N/A
290/26/ULS-	0.14	N/A	N/A	N/A	N/A	N/A
290/26/SLS+	0.42	N/A	N/A	N/A	N/A	N/A
290/26/SLS-	0.14	N/A	N/A	N/A	N/A	N/A
290/26/SLS:CHR+	0.42	N/A	N/A	N/A	N/A	N/A
290/26/SLS:CHR-	0.14	N/A	N/A	N/A	N/A	N/A
290/26/SLS:FRE+	0.34	N/A	N/A	N/A	N/A	N/A
290/26/SLS:FRE-	0.14	N/A	N/A	N/A	N/A	N/A
290/26/SLS:QPR+	0.31	N/A	N/A	N/A	N/A	N/A
290/26/SLS:QPR-	0.14	N/A	N/A	N/A	N/A	N/A
290/26/ACC+	4.14	N/A	N/A	N/A	N/A	N/A
290/26/ACC-	-3.69	N/A	N/A	N/A	N/A	N/A
291/16/ULS+	0.81	N/A	N/A	N/A	N/A	N/A
291/16/ULS-	0.21	N/A	N/A	N/A	N/A	N/A
291/16/SLS+	0.56	N/A	N/A	N/A	N/A	N/A
291/16/SLS-	0.21	N/A	N/A	N/A	N/A	N/A
291/16/SLS:CHR+	0.56	N/A	N/A	N/A	N/A	N/A
291/16/SLS:CHR-	0.21	N/A	N/A	N/A	N/A	N/A
291/16/SLS:FRE+	0.45	N/A	N/A	N/A	N/A	N/A
291/16/SLS:FRE-	0.21	N/A	N/A	N/A	N/A	N/A
291/16/SLS:QPR+	0.42	N/A	N/A	N/A	N/A	N/A
291/16/SLS:QPR-	0.21	N/A	N/A	N/A	N/A	N/A
291/16/ACC+	4.29	N/A	N/A	N/A	N/A	N/A
291/16/ACC-	-3.67	N/A	N/A	N/A	N/A	N/A
291/25/ULS+	0.86	N/A	N/A	N/A	N/A	N/A
291/25/ULS-	0.24	N/A	N/A	N/A	N/A	N/A
291/25/SLS+	0.59	N/A	N/A	N/A	N/A	N/A
291/25/SLS-	0.24	N/A	N/A	N/A	N/A	N/A
291/25/SLS:CHR+	0.59	N/A	N/A	N/A	N/A	N/A
291/25/SLS:CHR-	0.24	N/A	N/A	N/A	N/A	N/A
291/25/SLS:FRE+	0.49	N/A	N/A	N/A	N/A	N/A
291/25/SLS:FRE-	0.24	N/A	N/A	N/A	N/A	N/A
291/25/SLS:QPR+	0.45	N/A	N/A	N/A	N/A	N/A
291/25/SLS:QPR-	0.24	N/A	N/A	N/A	N/A	N/A
291/25/ACC+	4.33	N/A	N/A	N/A	N/A	N/A
291/25/ACC-	-3.63	N/A	N/A	N/A	N/A	N/A
292/13/ULS+	1.93	N/A	N/A	N/A	N/A	N/A
292/13/ULS-	0.5	N/A	N/A	N/A	N/A	N/A
292/13/SLS+	1.33	N/A	N/A	N/A	N/A	N/A
292/13/SLS-	0.5	N/A	N/A	N/A	N/A	N/A

292/13/SLS:CHR+	1.33	N/A	N/A	N/A	N/A	N/A
292/13/SLS:CHR-	0.5	N/A	N/A	N/A	N/A	N/A
292/13/SLS:FRE+	1.08	N/A	N/A	N/A	N/A	N/A
292/13/SLS:FRE-	0.5	N/A	N/A	N/A	N/A	N/A
292/13/SLS:QPR+	1	N/A	N/A	N/A	N/A	N/A
292/13/SLS:QPR-	0.5	N/A	N/A	N/A	N/A	N/A
292/13/ACC+	4.98	N/A	N/A	N/A	N/A	N/A
292/13/ACC-	-3.48	N/A	N/A	N/A	N/A	N/A
292/46/ULS+	1.88	N/A	N/A	N/A	N/A	N/A
292/46/ULS-	0.46	N/A	N/A	N/A	N/A	N/A
292/46/SLS+	1.3	N/A	N/A	N/A	N/A	N/A
292/46/SLS-	0.46	N/A	N/A	N/A	N/A	N/A
292/46/SLS:CHR+	1.3	N/A	N/A	N/A	N/A	N/A
292/46/SLS:CHR-	0.46	N/A	N/A	N/A	N/A	N/A
292/46/SLS:FRE+	1.05	N/A	N/A	N/A	N/A	N/A
292/46/SLS:FRE-	0.46	N/A	N/A	N/A	N/A	N/A
292/46/SLS:QPR+	0.96	N/A	N/A	N/A	N/A	N/A
292/46/SLS:QPR-	0.46	N/A	N/A	N/A	N/A	N/A
292/46/ACC+	4.94	N/A	N/A	N/A	N/A	N/A
292/46/ACC-	-3.51	N/A	N/A	N/A	N/A	N/A
293/45/ULS+	-0.02	N/A	N/A	N/A	N/A	N/A
293/45/ULS-	-0.19	N/A	N/A	N/A	N/A	N/A
293/45/SLS+	-0.02	N/A	N/A	N/A	N/A	N/A
293/45/SLS-	-0.13	N/A	N/A	N/A	N/A	N/A
293/45/SLS:CHR+	-0.02	N/A	N/A	N/A	N/A	N/A
293/45/SLS:CHR-	-0.13	N/A	N/A	N/A	N/A	N/A
293/45/SLS:FRE+	-0.02	N/A	N/A	N/A	N/A	N/A
293/45/SLS:FRE-	-0.1	N/A	N/A	N/A	N/A	N/A
293/45/SLS:QPR+	-0.02	N/A	N/A	N/A	N/A	N/A
293/45/SLS:QPR-	-0.09	N/A	N/A	N/A	N/A	N/A
293/45/ACC+	4.06	N/A	N/A	N/A	N/A	N/A
293/45/ACC-	-4.17	N/A	N/A	N/A	N/A	N/A
293/14/ULS+	-0.06	N/A	N/A	N/A	N/A	N/A
293/14/ULS-	-0.24	N/A	N/A	N/A	N/A	N/A
293/14/SLS+	-0.06	N/A	N/A	N/A	N/A	N/A
293/14/SLS-	-0.17	N/A	N/A	N/A	N/A	N/A
293/14/SLS:CHR+	-0.06	N/A	N/A	N/A	N/A	N/A
293/14/SLS:CHR-	-0.17	N/A	N/A	N/A	N/A	N/A
293/14/SLS:FRE+	-0.06	N/A	N/A	N/A	N/A	N/A
293/14/SLS:FRE-	-0.13	N/A	N/A	N/A	N/A	N/A
293/14/SLS:QPR+	-0.06	N/A	N/A	N/A	N/A	N/A
293/14/SLS:QPR-	-0.12	N/A	N/A	N/A	N/A	N/A
293/14/ACC+	4.02	N/A	N/A	N/A	N/A	N/A
293/14/ACC-	-4.2	N/A	N/A	N/A	N/A	N/A

294/45/ULS+	1	N/A	N/A	N/A	N/A	N/A
294/45/ULS-	0.27	N/A	N/A	N/A	N/A	N/A
294/45/SLS+	0.7	N/A	N/A	N/A	N/A	N/A
294/45/SLS-	0.27	N/A	N/A	N/A	N/A	N/A
294/45/SLS:CHR+	0.7	N/A	N/A	N/A	N/A	N/A
294/45/SLS:CHR-	0.27	N/A	N/A	N/A	N/A	N/A
294/45/SLS:FRE+	0.57	N/A	N/A	N/A	N/A	N/A
294/45/SLS:FRE-	0.27	N/A	N/A	N/A	N/A	N/A
294/45/SLS:QPR+	0.53	N/A	N/A	N/A	N/A	N/A
294/45/SLS:QPR-	0.27	N/A	N/A	N/A	N/A	N/A
294/45/ACC+	4.03	N/A	N/A	N/A	N/A	N/A
294/45/ACC-	-3.24	N/A	N/A	N/A	N/A	N/A
294/65/ULS+	0.96	N/A	N/A	N/A	N/A	N/A
294/65/ULS-	0.23	N/A	N/A	N/A	N/A	N/A
294/65/SLS+	0.66	N/A	N/A	N/A	N/A	N/A
294/65/SLS-	0.23	N/A	N/A	N/A	N/A	N/A
294/65/SLS:CHR+	0.66	N/A	N/A	N/A	N/A	N/A
294/65/SLS:CHR-	0.23	N/A	N/A	N/A	N/A	N/A
294/65/SLS:FRE+	0.53	N/A	N/A	N/A	N/A	N/A
294/65/SLS:FRE-	0.23	N/A	N/A	N/A	N/A	N/A
294/65/SLS:QPR+	0.49	N/A	N/A	N/A	N/A	N/A
294/65/SLS:QPR-	0.23	N/A	N/A	N/A	N/A	N/A
294/65/ACC+	3.99	N/A	N/A	N/A	N/A	N/A
294/65/ACC-	-3.28	N/A	N/A	N/A	N/A	N/A
295/46/ULS+	0.67	N/A	N/A	N/A	N/A	N/A
295/46/ULS-	0.16	N/A	N/A	N/A	N/A	N/A
295/46/SLS+	0.46	N/A	N/A	N/A	N/A	N/A
295/46/SLS-	0.16	N/A	N/A	N/A	N/A	N/A
295/46/SLS:CHR+	0.46	N/A	N/A	N/A	N/A	N/A
295/46/SLS:CHR-	0.16	N/A	N/A	N/A	N/A	N/A
295/46/SLS:FRE+	0.37	N/A	N/A	N/A	N/A	N/A
295/46/SLS:FRE-	0.16	N/A	N/A	N/A	N/A	N/A
295/46/SLS:QPR+	0.34	N/A	N/A	N/A	N/A	N/A
295/46/SLS:QPR-	0.16	N/A	N/A	N/A	N/A	N/A
295/46/ACC+	3.85	N/A	N/A	N/A	N/A	N/A
295/46/ACC-	-3.35	N/A	N/A	N/A	N/A	N/A
295/64/ULS+	0.72	N/A	N/A	N/A	N/A	N/A
295/64/ULS-	0.2	N/A	N/A	N/A	N/A	N/A
295/64/SLS+	0.5	N/A	N/A	N/A	N/A	N/A
295/64/SLS-	0.2	N/A	N/A	N/A	N/A	N/A
295/64/SLS:CHR+	0.5	N/A	N/A	N/A	N/A	N/A
295/64/SLS:CHR-	0.2	N/A	N/A	N/A	N/A	N/A
295/64/SLS:FRE+	0.41	N/A	N/A	N/A	N/A	N/A
295/64/SLS:FRE-	0.2	N/A	N/A	N/A	N/A	N/A

295/64/SLS:QPR+	0.38	N/A	N/A	N/A	N/A	N/A
295/64/SLS:QPR-	0.2	N/A	N/A	N/A	N/A	N/A
295/64/ACC+	3.89	N/A	N/A	N/A	N/A	N/A
295/64/ACC-	-3.31	N/A	N/A	N/A	N/A	N/A
297/64/ULS+	1.46	N/A	N/A	N/A	N/A	N/A
297/64/ULS-	0.38	N/A	N/A	N/A	N/A	N/A
297/64/SLS+	1.01	N/A	N/A	N/A	N/A	N/A
297/64/SLS-	0.38	N/A	N/A	N/A	N/A	N/A
297/64/SLS:CHR+	1.01	N/A	N/A	N/A	N/A	N/A
297/64/SLS:CHR-	0.38	N/A	N/A	N/A	N/A	N/A
297/64/SLS:FRE+	0.82	N/A	N/A	N/A	N/A	N/A
297/64/SLS:FRE-	0.38	N/A	N/A	N/A	N/A	N/A
297/64/SLS:QPR+	0.76	N/A	N/A	N/A	N/A	N/A
297/64/SLS:QPR-	0.38	N/A	N/A	N/A	N/A	N/A
297/64/ACC+	4.29	N/A	N/A	N/A	N/A	N/A
297/64/ACC-	-3.15	N/A	N/A	N/A	N/A	N/A
297/84/ULS+	1.41	N/A	N/A	N/A	N/A	N/A
297/84/ULS-	0.34	N/A	N/A	N/A	N/A	N/A
297/84/SLS+	0.97	N/A	N/A	N/A	N/A	N/A
297/84/SLS-	0.34	N/A	N/A	N/A	N/A	N/A
297/84/SLS:CHR+	0.97	N/A	N/A	N/A	N/A	N/A
297/84/SLS:CHR-	0.34	N/A	N/A	N/A	N/A	N/A
297/84/SLS:FRE+	0.78	N/A	N/A	N/A	N/A	N/A
297/84/SLS:FRE-	0.34	N/A	N/A	N/A	N/A	N/A
297/84/SLS:QPR+	0.72	N/A	N/A	N/A	N/A	N/A
297/84/SLS:QPR-	0.34	N/A	N/A	N/A	N/A	N/A
297/84/ACC+	4.26	N/A	N/A	N/A	N/A	N/A
297/84/ACC-	-3.19	N/A	N/A	N/A	N/A	N/A
298/65/ULS+	1.18	N/A	N/A	N/A	N/A	N/A
298/65/ULS-	0.29	N/A	N/A	N/A	N/A	N/A
298/65/SLS+	0.81	N/A	N/A	N/A	N/A	N/A
298/65/SLS-	0.29	N/A	N/A	N/A	N/A	N/A
298/65/SLS:CHR+	0.81	N/A	N/A	N/A	N/A	N/A
298/65/SLS:CHR-	0.29	N/A	N/A	N/A	N/A	N/A
298/65/SLS:FRE+	0.65	N/A	N/A	N/A	N/A	N/A
298/65/SLS:FRE-	0.29	N/A	N/A	N/A	N/A	N/A
298/65/SLS:QPR+	0.6	N/A	N/A	N/A	N/A	N/A
298/65/SLS:QPR-	0.29	N/A	N/A	N/A	N/A	N/A
298/65/ACC+	4.1	N/A	N/A	N/A	N/A	N/A
298/65/ACC-	-3.21	N/A	N/A	N/A	N/A	N/A
298/83/ULS+	1.23	N/A	N/A	N/A	N/A	N/A
298/83/ULS-	0.32	N/A	N/A	N/A	N/A	N/A
298/83/SLS+	0.85	N/A	N/A	N/A	N/A	N/A
298/83/SLS-	0.32	N/A	N/A	N/A	N/A	N/A

298/83/SLS:CHR+	0.85	N/A	N/A	N/A	N/A	N/A
298/83/SLS:CHR-	0.32	N/A	N/A	N/A	N/A	N/A
298/83/SLS:FRE+	0.69	N/A	N/A	N/A	N/A	N/A
298/83/SLS:FRE-	0.32	N/A	N/A	N/A	N/A	N/A
298/83/SLS:QPR+	0.64	N/A	N/A	N/A	N/A	N/A
298/83/SLS:QPR-	0.32	N/A	N/A	N/A	N/A	N/A
298/83/ACC+	4.14	N/A	N/A	N/A	N/A	N/A
298/83/ACC-	-3.18	N/A	N/A	N/A	N/A	N/A
299/83/ULS+	-0.27	N/A	N/A	N/A	N/A	N/A
299/83/ULS-	-1.18	N/A	N/A	N/A	N/A	N/A
299/83/SLS+	-0.27	N/A	N/A	N/A	N/A	N/A
299/83/SLS-	-0.81	N/A	N/A	N/A	N/A	N/A
299/83/SLS:CHR+	-0.27	N/A	N/A	N/A	N/A	N/A
299/83/SLS:CHR-	-0.81	N/A	N/A	N/A	N/A	N/A
299/83/SLS:FRE+	-0.27	N/A	N/A	N/A	N/A	N/A
299/83/SLS:FRE-	-0.65	N/A	N/A	N/A	N/A	N/A
299/83/SLS:QPR+	-0.27	N/A	N/A	N/A	N/A	N/A
299/83/SLS:QPR-	-0.6	N/A	N/A	N/A	N/A	N/A
299/83/ACC+	3.59	N/A	N/A	N/A	N/A	N/A
299/83/ACC-	-4.46	N/A	N/A	N/A	N/A	N/A
299/16/ULS+	-0.31	N/A	N/A	N/A	N/A	N/A
299/16/ULS-	-1.23	N/A	N/A	N/A	N/A	N/A
299/16/SLS+	-0.31	N/A	N/A	N/A	N/A	N/A
299/16/SLS-	-0.85	N/A	N/A	N/A	N/A	N/A
299/16/SLS:CHR+	-0.31	N/A	N/A	N/A	N/A	N/A
299/16/SLS:CHR-	-0.85	N/A	N/A	N/A	N/A	N/A
299/16/SLS:FRE+	-0.31	N/A	N/A	N/A	N/A	N/A
299/16/SLS:FRE-	-0.69	N/A	N/A	N/A	N/A	N/A
299/16/SLS:QPR+	-0.31	N/A	N/A	N/A	N/A	N/A
299/16/SLS:QPR-	-0.63	N/A	N/A	N/A	N/A	N/A
299/16/ACC+	3.55	N/A	N/A	N/A	N/A	N/A
299/16/ACC-	-4.5	N/A	N/A	N/A	N/A	N/A
300/84/ULS+	0.9	N/A	N/A	N/A	N/A	N/A
300/84/ULS-	0.22	N/A	N/A	N/A	N/A	N/A
300/84/SLS+	0.62	N/A	N/A	N/A	N/A	N/A
300/84/SLS-	0.22	N/A	N/A	N/A	N/A	N/A
300/84/SLS:CHR+	0.62	N/A	N/A	N/A	N/A	N/A
300/84/SLS:CHR-	0.22	N/A	N/A	N/A	N/A	N/A
300/84/SLS:FRE+	0.5	N/A	N/A	N/A	N/A	N/A
300/84/SLS:FRE-	0.22	N/A	N/A	N/A	N/A	N/A
300/84/SLS:QPR+	0.46	N/A	N/A	N/A	N/A	N/A
300/84/SLS:QPR-	0.22	N/A	N/A	N/A	N/A	N/A
300/84/ACC+	4.14	N/A	N/A	N/A	N/A	N/A
300/84/ACC-	-3.47	N/A	N/A	N/A	N/A	N/A

300/15/ULS+	0.95	N/A	N/A	N/A	N/A	N/A
300/15/ULS-	0.25	N/A	N/A	N/A	N/A	N/A
300/15/SLS+	0.66	N/A	N/A	N/A	N/A	N/A
300/15/SLS-	0.25	N/A	N/A	N/A	N/A	N/A
300/15/SLS:CHR+	0.66	N/A	N/A	N/A	N/A	N/A
300/15/SLS:CHR-	0.25	N/A	N/A	N/A	N/A	N/A
300/15/SLS:FRE+	0.54	N/A	N/A	N/A	N/A	N/A
300/15/SLS:FRE-	0.25	N/A	N/A	N/A	N/A	N/A
300/15/SLS:QPR+	0.5	N/A	N/A	N/A	N/A	N/A
300/15/SLS:QPR-	0.25	N/A	N/A	N/A	N/A	N/A
300/15/ACC+	4.18	N/A	N/A	N/A	N/A	N/A
300/15/ACC-	-3.43	N/A	N/A	N/A	N/A	N/A
303/55/ULS+	0.32	N/A	N/A	N/A	N/A	N/A
303/55/ULS-	0.1	N/A	N/A	N/A	N/A	N/A
303/55/SLS+	0.23	N/A	N/A	N/A	N/A	N/A
303/55/SLS-	0.1	N/A	N/A	N/A	N/A	N/A
303/55/SLS:CHR+	0.23	N/A	N/A	N/A	N/A	N/A
303/55/SLS:CHR-	0.1	N/A	N/A	N/A	N/A	N/A
303/55/SLS:FRE+	0.19	N/A	N/A	N/A	N/A	N/A
303/55/SLS:FRE-	0.1	N/A	N/A	N/A	N/A	N/A
303/55/SLS:QPR+	0.17	N/A	N/A	N/A	N/A	N/A
303/55/SLS:QPR-	0.1	N/A	N/A	N/A	N/A	N/A
303/55/ACC+	3.05	N/A	N/A	N/A	N/A	N/A
303/55/ACC-	-2.77	N/A	N/A	N/A	N/A	N/A
303/75/ULS+	0.26	N/A	N/A	N/A	N/A	N/A
303/75/ULS-	0.05	N/A	N/A	N/A	N/A	N/A
303/75/SLS+	0.17	N/A	N/A	N/A	N/A	N/A
303/75/SLS-	0.05	N/A	N/A	N/A	N/A	N/A
303/75/SLS:CHR+	0.17	N/A	N/A	N/A	N/A	N/A
303/75/SLS:CHR-	0.05	N/A	N/A	N/A	N/A	N/A
303/75/SLS:FRE+	0.14	N/A	N/A	N/A	N/A	N/A
303/75/SLS:FRE-	0.05	N/A	N/A	N/A	N/A	N/A
303/75/SLS:QPR+	0.12	N/A	N/A	N/A	N/A	N/A
303/75/SLS:QPR-	0.05	N/A	N/A	N/A	N/A	N/A
303/75/ACC+	2.99	N/A	N/A	N/A	N/A	N/A
303/75/ACC-	-2.83	N/A	N/A	N/A	N/A	N/A
304/56/ULS+	-0.12	N/A	N/A	N/A	N/A	N/A
304/56/ULS-	-0.62	N/A	N/A	N/A	N/A	N/A
304/56/SLS+	-0.12	N/A	N/A	N/A	N/A	N/A
304/56/SLS-	-0.43	N/A	N/A	N/A	N/A	N/A
304/56/SLS:CHR+	-0.12	N/A	N/A	N/A	N/A	N/A
304/56/SLS:CHR-	-0.43	N/A	N/A	N/A	N/A	N/A
304/56/SLS:FRE+	-0.12	N/A	N/A	N/A	N/A	N/A
304/56/SLS:FRE-	-0.34	N/A	N/A	N/A	N/A	N/A

304/56/SLS:QPR+	-0.12	N/A	N/A	N/A	N/A	N/A
304/56/SLS:QPR-	-0.31	N/A	N/A	N/A	N/A	N/A
304/56/ACC+	3.14	N/A	N/A	N/A	N/A	N/A
304/56/ACC-	-3.57	N/A	N/A	N/A	N/A	N/A
304/74/ULS+	-0.07	N/A	N/A	N/A	N/A	N/A
304/74/ULS-	-0.55	N/A	N/A	N/A	N/A	N/A
304/74/SLS+	-0.07	N/A	N/A	N/A	N/A	N/A
304/74/SLS-	-0.38	N/A	N/A	N/A	N/A	N/A
304/74/SLS:CHR+	-0.07	N/A	N/A	N/A	N/A	N/A
304/74/SLS:CHR-	-0.38	N/A	N/A	N/A	N/A	N/A
304/74/SLS:FRE+	-0.07	N/A	N/A	N/A	N/A	N/A
304/74/SLS:FRE-	-0.28	N/A	N/A	N/A	N/A	N/A
304/74/SLS:QPR+	-0.07	N/A	N/A	N/A	N/A	N/A
304/74/SLS:QPR-	-0.25	N/A	N/A	N/A	N/A	N/A
304/74/ACC+	3.2	N/A	N/A	N/A	N/A	N/A
304/74/ACC-	-3.52	N/A	N/A	N/A	N/A	N/A
305/74/ULS+	-0.31	N/A	N/A	N/A	N/A	N/A
305/74/ULS-	-1.44	N/A	N/A	N/A	N/A	N/A
305/74/SLS+	-0.31	N/A	N/A	N/A	N/A	N/A
305/74/SLS-	-0.99	N/A	N/A	N/A	N/A	N/A
305/74/SLS:CHR+	-0.31	N/A	N/A	N/A	N/A	N/A
305/74/SLS:CHR-	-0.99	N/A	N/A	N/A	N/A	N/A
305/74/SLS:FRE+	-0.31	N/A	N/A	N/A	N/A	N/A
305/74/SLS:FRE-	-0.79	N/A	N/A	N/A	N/A	N/A
305/74/SLS:QPR+	-0.31	N/A	N/A	N/A	N/A	N/A
305/74/SLS:QPR-	-0.72	N/A	N/A	N/A	N/A	N/A
305/74/ACC+	3.26	N/A	N/A	N/A	N/A	N/A
305/74/ACC-	-4.29	N/A	N/A	N/A	N/A	N/A
305/94/ULS+	-0.37	N/A	N/A	N/A	N/A	N/A
305/94/ULS-	-1.51	N/A	N/A	N/A	N/A	N/A
305/94/SLS+	-0.37	N/A	N/A	N/A	N/A	N/A
305/94/SLS-	-1.05	N/A	N/A	N/A	N/A	N/A
305/94/SLS:CHR+	-0.37	N/A	N/A	N/A	N/A	N/A
305/94/SLS:CHR-	-1.05	N/A	N/A	N/A	N/A	N/A
305/94/SLS:FRE+	-0.37	N/A	N/A	N/A	N/A	N/A
305/94/SLS:FRE-	-0.84	N/A	N/A	N/A	N/A	N/A
305/94/SLS:QPR+	-0.37	N/A	N/A	N/A	N/A	N/A
305/94/SLS:QPR-	-0.77	N/A	N/A	N/A	N/A	N/A
305/94/ACC+	3.2	N/A	N/A	N/A	N/A	N/A
305/94/ACC-	-4.35	N/A	N/A	N/A	N/A	N/A
306/75/ULS+	1.37	N/A	N/A	N/A	N/A	N/A
306/75/ULS-	0.34	N/A	N/A	N/A	N/A	N/A
306/75/SLS+	0.95	N/A	N/A	N/A	N/A	N/A
306/75/SLS-	0.34	N/A	N/A	N/A	N/A	N/A

306/75/SLS:CHR+	0.95	N/A	N/A	N/A	N/A	N/A
306/75/SLS:CHR-	0.34	N/A	N/A	N/A	N/A	N/A
306/75/SLS:FRE+	0.77	N/A	N/A	N/A	N/A	N/A
306/75/SLS:FRE-	0.34	N/A	N/A	N/A	N/A	N/A
306/75/SLS:QPR+	0.71	N/A	N/A	N/A	N/A	N/A
306/75/SLS:QPR-	0.34	N/A	N/A	N/A	N/A	N/A
306/75/ACC+	3.58	N/A	N/A	N/A	N/A	N/A
306/75/ACC-	-2.53	N/A	N/A	N/A	N/A	N/A
306/93/ULS+	1.44	N/A	N/A	N/A	N/A	N/A
306/93/ULS-	0.4	N/A	N/A	N/A	N/A	N/A
306/93/SLS+	1	N/A	N/A	N/A	N/A	N/A
306/93/SLS-	0.4	N/A	N/A	N/A	N/A	N/A
306/93/SLS:CHR+	1	N/A	N/A	N/A	N/A	N/A
306/93/SLS:CHR-	0.4	N/A	N/A	N/A	N/A	N/A
306/93/SLS:FRE+	0.82	N/A	N/A	N/A	N/A	N/A
306/93/SLS:FRE-	0.4	N/A	N/A	N/A	N/A	N/A
306/93/SLS:QPR+	0.76	N/A	N/A	N/A	N/A	N/A
306/93/SLS:QPR-	0.4	N/A	N/A	N/A	N/A	N/A
306/93/ACC+	3.63	N/A	N/A	N/A	N/A	N/A
306/93/ACC-	-2.48	N/A	N/A	N/A	N/A	N/A
311/41/ULS+	0.49	N/A	N/A	N/A	N/A	N/A
311/41/ULS-	0.14	N/A	N/A	N/A	N/A	N/A
311/41/SLS+	0.34	N/A	N/A	N/A	N/A	N/A
311/41/SLS-	0.14	N/A	N/A	N/A	N/A	N/A
311/41/SLS:CHR+	0.34	N/A	N/A	N/A	N/A	N/A
311/41/SLS:CHR-	0.14	N/A	N/A	N/A	N/A	N/A
311/41/SLS:FRE+	0.28	N/A	N/A	N/A	N/A	N/A
311/41/SLS:FRE-	0.14	N/A	N/A	N/A	N/A	N/A
311/41/SLS:QPR+	0.26	N/A	N/A	N/A	N/A	N/A
311/41/SLS:QPR-	0.14	N/A	N/A	N/A	N/A	N/A
311/41/ACC+	2.29	N/A	N/A	N/A	N/A	N/A
311/41/ACC-	-1.9	N/A	N/A	N/A	N/A	N/A
311/61/ULS+	0.45	N/A	N/A	N/A	N/A	N/A
311/61/ULS-	0.11	N/A	N/A	N/A	N/A	N/A
311/61/SLS+	0.31	N/A	N/A	N/A	N/A	N/A
311/61/SLS-	0.11	N/A	N/A	N/A	N/A	N/A
311/61/SLS:CHR+	0.31	N/A	N/A	N/A	N/A	N/A
311/61/SLS:CHR-	0.11	N/A	N/A	N/A	N/A	N/A
311/61/SLS:FRE+	0.25	N/A	N/A	N/A	N/A	N/A
311/61/SLS:FRE-	0.11	N/A	N/A	N/A	N/A	N/A
311/61/SLS:QPR+	0.23	N/A	N/A	N/A	N/A	N/A
311/61/SLS:QPR-	0.11	N/A	N/A	N/A	N/A	N/A
311/61/ACC+	2.26	N/A	N/A	N/A	N/A	N/A
311/61/ACC-	-1.92	N/A	N/A	N/A	N/A	N/A

312/42/ULS+	0.17	N/A	N/A	N/A	N/A	N/A
312/42/ULS-	0.04	N/A	N/A	N/A	N/A	N/A
312/42/SLS+	0.12	N/A	N/A	N/A	N/A	N/A
312/42/SLS-	0.04	N/A	N/A	N/A	N/A	N/A
312/42/SLS:CHR+	0.12	N/A	N/A	N/A	N/A	N/A
312/42/SLS:CHR-	0.04	N/A	N/A	N/A	N/A	N/A
312/42/SLS:FRE+	0.09	N/A	N/A	N/A	N/A	N/A
312/42/SLS:FRE-	0.04	N/A	N/A	N/A	N/A	N/A
312/42/SLS:QPR+	0.09	N/A	N/A	N/A	N/A	N/A
312/42/SLS:QPR-	0.04	N/A	N/A	N/A	N/A	N/A
312/42/ACC+	2.12	N/A	N/A	N/A	N/A	N/A
312/42/ACC-	-2	N/A	N/A	N/A	N/A	N/A
312/60/ULS+	0.21	N/A	N/A	N/A	N/A	N/A
312/60/ULS-	0.07	N/A	N/A	N/A	N/A	N/A
312/60/SLS+	0.15	N/A	N/A	N/A	N/A	N/A
312/60/SLS-	0.07	N/A	N/A	N/A	N/A	N/A
312/60/SLS:CHR+	0.15	N/A	N/A	N/A	N/A	N/A
312/60/SLS:CHR-	0.07	N/A	N/A	N/A	N/A	N/A
312/60/SLS:FRE+	0.12	N/A	N/A	N/A	N/A	N/A
312/60/SLS:FRE-	0.07	N/A	N/A	N/A	N/A	N/A
312/60/SLS:QPR+	0.12	N/A	N/A	N/A	N/A	N/A
312/60/SLS:QPR-	0.07	N/A	N/A	N/A	N/A	N/A
312/60/ACC+	2.15	N/A	N/A	N/A	N/A	N/A
312/60/ACC-	-1.97	N/A	N/A	N/A	N/A	N/A
313/60/ULS+	0.8	N/A	N/A	N/A	N/A	N/A
313/60/ULS-	0.22	N/A	N/A	N/A	N/A	N/A
313/60/SLS+	0.55	N/A	N/A	N/A	N/A	N/A
313/60/SLS-	0.22	N/A	N/A	N/A	N/A	N/A
313/60/SLS:CHR+	0.55	N/A	N/A	N/A	N/A	N/A
313/60/SLS:CHR-	0.22	N/A	N/A	N/A	N/A	N/A
313/60/SLS:FRE+	0.45	N/A	N/A	N/A	N/A	N/A
313/60/SLS:FRE-	0.22	N/A	N/A	N/A	N/A	N/A
313/60/SLS:QPR+	0.42	N/A	N/A	N/A	N/A	N/A
313/60/SLS:QPR-	0.22	N/A	N/A	N/A	N/A	N/A
313/60/ACC+	2.51	N/A	N/A	N/A	N/A	N/A
313/60/ACC-	-1.88	N/A	N/A	N/A	N/A	N/A
313/80/ULS+	0.76	N/A	N/A	N/A	N/A	N/A
313/80/ULS-	0.19	N/A	N/A	N/A	N/A	N/A
313/80/SLS+	0.52	N/A	N/A	N/A	N/A	N/A
313/80/SLS-	0.19	N/A	N/A	N/A	N/A	N/A
313/80/SLS:CHR+	0.52	N/A	N/A	N/A	N/A	N/A
313/80/SLS:CHR-	0.19	N/A	N/A	N/A	N/A	N/A
313/80/SLS:FRE+	0.42	N/A	N/A	N/A	N/A	N/A
313/80/SLS:FRE-	0.19	N/A	N/A	N/A	N/A	N/A

313/80/SLS:QPR+	0.39	N/A	N/A	N/A	N/A	N/A
313/80/SLS:QPR-	0.19	N/A	N/A	N/A	N/A	N/A
313/80/ACC+	2.48	N/A	N/A	N/A	N/A	N/A
313/80/ACC-	-1.91	N/A	N/A	N/A	N/A	N/A
314/61/ULS+	0.59	N/A	N/A	N/A	N/A	N/A
314/61/ULS-	0.14	N/A	N/A	N/A	N/A	N/A
314/61/SLS+	0.41	N/A	N/A	N/A	N/A	N/A
314/61/SLS-	0.14	N/A	N/A	N/A	N/A	N/A
314/61/SLS:CHR+	0.41	N/A	N/A	N/A	N/A	N/A
314/61/SLS:CHR-	0.14	N/A	N/A	N/A	N/A	N/A
314/61/SLS:FRE+	0.33	N/A	N/A	N/A	N/A	N/A
314/61/SLS:FRE-	0.14	N/A	N/A	N/A	N/A	N/A
314/61/SLS:QPR+	0.3	N/A	N/A	N/A	N/A	N/A
314/61/SLS:QPR-	0.14	N/A	N/A	N/A	N/A	N/A
314/61/ACC+	2.33	N/A	N/A	N/A	N/A	N/A
314/61/ACC-	-1.88	N/A	N/A	N/A	N/A	N/A
314/79/ULS+	0.63	N/A	N/A	N/A	N/A	N/A
314/79/ULS-	0.17	N/A	N/A	N/A	N/A	N/A
314/79/SLS+	0.44	N/A	N/A	N/A	N/A	N/A
314/79/SLS-	0.17	N/A	N/A	N/A	N/A	N/A
314/79/SLS:CHR+	0.44	N/A	N/A	N/A	N/A	N/A
314/79/SLS:CHR-	0.17	N/A	N/A	N/A	N/A	N/A
314/79/SLS:FRE+	0.36	N/A	N/A	N/A	N/A	N/A
314/79/SLS:FRE-	0.17	N/A	N/A	N/A	N/A	N/A
314/79/SLS:QPR+	0.33	N/A	N/A	N/A	N/A	N/A
314/79/SLS:QPR-	0.17	N/A	N/A	N/A	N/A	N/A
314/79/ACC+	2.36	N/A	N/A	N/A	N/A	N/A
314/79/ACC-	-1.85	N/A	N/A	N/A	N/A	N/A
315/79/ULS+	-0.3	N/A	N/A	N/A	N/A	N/A
315/79/ULS-	-1.27	N/A	N/A	N/A	N/A	N/A
315/79/SLS+	-0.3	N/A	N/A	N/A	N/A	N/A
315/79/SLS-	-0.88	N/A	N/A	N/A	N/A	N/A
315/79/SLS:CHR+	-0.3	N/A	N/A	N/A	N/A	N/A
315/79/SLS:CHR-	-0.88	N/A	N/A	N/A	N/A	N/A
315/79/SLS:FRE+	-0.3	N/A	N/A	N/A	N/A	N/A
315/79/SLS:FRE-	-0.7	N/A	N/A	N/A	N/A	N/A
315/79/SLS:QPR+	-0.3	N/A	N/A	N/A	N/A	N/A
315/79/SLS:QPR-	-0.65	N/A	N/A	N/A	N/A	N/A
315/79/ACC+	1.92	N/A	N/A	N/A	N/A	N/A
315/79/ACC-	-2.87	N/A	N/A	N/A	N/A	N/A
315/8/ULS+	-0.33	N/A	N/A	N/A	N/A	N/A
315/8/ULS-	-1.31	N/A	N/A	N/A	N/A	N/A
315/8/SLS+	-0.33	N/A	N/A	N/A	N/A	N/A
315/8/SLS-	-0.91	N/A	N/A	N/A	N/A	N/A

315/8/SLS:CHR+	-0.33	N/A	N/A	N/A	N/A	N/A
315/8/SLS:CHR-	-0.91	N/A	N/A	N/A	N/A	N/A
315/8/SLS:FRE+	-0.33	N/A	N/A	N/A	N/A	N/A
315/8/SLS:FRE-	-0.73	N/A	N/A	N/A	N/A	N/A
315/8/SLS:QPR+	-0.33	N/A	N/A	N/A	N/A	N/A
315/8/SLS:QPR-	-0.68	N/A	N/A	N/A	N/A	N/A
315/8/ACC+	1.89	N/A	N/A	N/A	N/A	N/A
315/8/ACC-	-2.9	N/A	N/A	N/A	N/A	N/A
316/80/ULS+	0.38	N/A	N/A	N/A	N/A	N/A
316/80/ULS-	0.09	N/A	N/A	N/A	N/A	N/A
316/80/SLS+	0.26	N/A	N/A	N/A	N/A	N/A
316/80/SLS-	0.09	N/A	N/A	N/A	N/A	N/A
316/80/SLS:CHR+	0.26	N/A	N/A	N/A	N/A	N/A
316/80/SLS:CHR-	0.09	N/A	N/A	N/A	N/A	N/A
316/80/SLS:FRE+	0.21	N/A	N/A	N/A	N/A	N/A
316/80/SLS:FRE-	0.09	N/A	N/A	N/A	N/A	N/A
316/80/SLS:QPR+	0.19	N/A	N/A	N/A	N/A	N/A
316/80/SLS:QPR-	0.09	N/A	N/A	N/A	N/A	N/A
316/80/ACC+	2.39	N/A	N/A	N/A	N/A	N/A
316/80/ACC-	-2.1	N/A	N/A	N/A	N/A	N/A
316/7/ULS+	0.42	N/A	N/A	N/A	N/A	N/A
316/7/ULS-	0.12	N/A	N/A	N/A	N/A	N/A
316/7/SLS+	0.29	N/A	N/A	N/A	N/A	N/A
316/7/SLS-	0.12	N/A	N/A	N/A	N/A	N/A
316/7/SLS:CHR+	0.29	N/A	N/A	N/A	N/A	N/A
316/7/SLS:CHR-	0.12	N/A	N/A	N/A	N/A	N/A
316/7/SLS:FRE+	0.24	N/A	N/A	N/A	N/A	N/A
316/7/SLS:FRE-	0.12	N/A	N/A	N/A	N/A	N/A
316/7/SLS:QPR+	0.22	N/A	N/A	N/A	N/A	N/A
316/7/SLS:QPR-	0.12	N/A	N/A	N/A	N/A	N/A
316/7/ACC+	2.42	N/A	N/A	N/A	N/A	N/A
316/7/ACC-	-2.07	N/A	N/A	N/A	N/A	N/A
319/43/ULS+	0.32	N/A	N/A	N/A	N/A	N/A
319/43/ULS-	0.09	N/A	N/A	N/A	N/A	N/A
319/43/SLS+	0.22	N/A	N/A	N/A	N/A	N/A
319/43/SLS-	0.09	N/A	N/A	N/A	N/A	N/A
319/43/SLS:CHR+	0.22	N/A	N/A	N/A	N/A	N/A
319/43/SLS:CHR-	0.09	N/A	N/A	N/A	N/A	N/A
319/43/SLS:FRE+	0.18	N/A	N/A	N/A	N/A	N/A
319/43/SLS:FRE-	0.09	N/A	N/A	N/A	N/A	N/A
319/43/SLS:QPR+	0.17	N/A	N/A	N/A	N/A	N/A
319/43/SLS:QPR-	0.09	N/A	N/A	N/A	N/A	N/A
319/43/ACC+	2	N/A	N/A	N/A	N/A	N/A
319/43/ACC-	-1.74	N/A	N/A	N/A	N/A	N/A

319/63/ULS+	0.29	N/A	N/A	N/A	N/A	N/A
319/63/ULS-	0.07	N/A	N/A	N/A	N/A	N/A
319/63/SLS+	0.2	N/A	N/A	N/A	N/A	N/A
319/63/SLS-	0.07	N/A	N/A	N/A	N/A	N/A
319/63/SLS:CHR+	0.2	N/A	N/A	N/A	N/A	N/A
319/63/SLS:CHR-	0.07	N/A	N/A	N/A	N/A	N/A
319/63/SLS:FRE+	0.16	N/A	N/A	N/A	N/A	N/A
319/63/SLS:FRE-	0.07	N/A	N/A	N/A	N/A	N/A
319/63/SLS:QPR+	0.15	N/A	N/A	N/A	N/A	N/A
319/63/SLS:QPR-	0.07	N/A	N/A	N/A	N/A	N/A
319/63/ACC+	1.98	N/A	N/A	N/A	N/A	N/A
319/63/ACC-	-1.77	N/A	N/A	N/A	N/A	N/A
320/44/ULS+	0.08	N/A	N/A	N/A	N/A	N/A
320/44/ULS-	0.02	N/A	N/A	N/A	N/A	N/A
320/44/SLS+	0.05	N/A	N/A	N/A	N/A	N/A
320/44/SLS-	0.02	N/A	N/A	N/A	N/A	N/A
320/44/SLS:CHR+	0.05	N/A	N/A	N/A	N/A	N/A
320/44/SLS:CHR-	0.02	N/A	N/A	N/A	N/A	N/A
320/44/SLS:FRE+	0.04	N/A	N/A	N/A	N/A	N/A
320/44/SLS:FRE-	0.02	N/A	N/A	N/A	N/A	N/A
320/44/SLS:QPR+	0.04	N/A	N/A	N/A	N/A	N/A
320/44/SLS:QPR-	0.02	N/A	N/A	N/A	N/A	N/A
320/44/ACC+	1.86	N/A	N/A	N/A	N/A	N/A
320/44/ACC-	-1.81	N/A	N/A	N/A	N/A	N/A
320/62/ULS+	0.11	N/A	N/A	N/A	N/A	N/A
320/62/ULS-	0.04	N/A	N/A	N/A	N/A	N/A
320/62/SLS+	0.08	N/A	N/A	N/A	N/A	N/A
320/62/SLS-	0.04	N/A	N/A	N/A	N/A	N/A
320/62/SLS:CHR+	0.08	N/A	N/A	N/A	N/A	N/A
320/62/SLS:CHR-	0.04	N/A	N/A	N/A	N/A	N/A
320/62/SLS:FRE+	0.07	N/A	N/A	N/A	N/A	N/A
320/62/SLS:FRE-	0.04	N/A	N/A	N/A	N/A	N/A
320/62/SLS:QPR+	0.06	N/A	N/A	N/A	N/A	N/A
320/62/SLS:QPR-	0.04	N/A	N/A	N/A	N/A	N/A
320/62/ACC+	1.88	N/A	N/A	N/A	N/A	N/A
320/62/ACC-	-1.78	N/A	N/A	N/A	N/A	N/A
321/62/ULS+	0.6	N/A	N/A	N/A	N/A	N/A
321/62/ULS-	0.17	N/A	N/A	N/A	N/A	N/A
321/62/SLS+	0.42	N/A	N/A	N/A	N/A	N/A
321/62/SLS-	0.17	N/A	N/A	N/A	N/A	N/A
321/62/SLS:CHR+	0.42	N/A	N/A	N/A	N/A	N/A
321/62/SLS:CHR-	0.17	N/A	N/A	N/A	N/A	N/A
321/62/SLS:FRE+	0.34	N/A	N/A	N/A	N/A	N/A
321/62/SLS:FRE-	0.17	N/A	N/A	N/A	N/A	N/A

321/62/SLS:QPR+	0.32	N/A	N/A	N/A	N/A	N/A
321/62/SLS:QPR-	0.17	N/A	N/A	N/A	N/A	N/A
321/62/ACC+	2.21	N/A	N/A	N/A	N/A	N/A
321/62/ACC-	-1.72	N/A	N/A	N/A	N/A	N/A
321/82/ULS+	0.57	N/A	N/A	N/A	N/A	N/A
321/82/ULS-	0.14	N/A	N/A	N/A	N/A	N/A
321/82/SLS+	0.39	N/A	N/A	N/A	N/A	N/A
321/82/SLS-	0.14	N/A	N/A	N/A	N/A	N/A
321/82/SLS:CHR+	0.39	N/A	N/A	N/A	N/A	N/A
321/82/SLS:CHR-	0.14	N/A	N/A	N/A	N/A	N/A
321/82/SLS:FRE+	0.32	N/A	N/A	N/A	N/A	N/A
321/82/SLS:FRE-	0.14	N/A	N/A	N/A	N/A	N/A
321/82/SLS:QPR+	0.29	N/A	N/A	N/A	N/A	N/A
321/82/SLS:QPR-	0.14	N/A	N/A	N/A	N/A	N/A
321/82/ACC+	2.18	N/A	N/A	N/A	N/A	N/A
321/82/ACC-	-1.75	N/A	N/A	N/A	N/A	N/A
322/63/ULS+	0.39	N/A	N/A	N/A	N/A	N/A
322/63/ULS-	0.1	N/A	N/A	N/A	N/A	N/A
322/63/SLS+	0.27	N/A	N/A	N/A	N/A	N/A
322/63/SLS-	0.1	N/A	N/A	N/A	N/A	N/A
322/63/SLS:CHR+	0.27	N/A	N/A	N/A	N/A	N/A
322/63/SLS:CHR-	0.1	N/A	N/A	N/A	N/A	N/A
322/63/SLS:FRE+	0.22	N/A	N/A	N/A	N/A	N/A
322/63/SLS:FRE-	0.1	N/A	N/A	N/A	N/A	N/A
322/63/SLS:QPR+	0.2	N/A	N/A	N/A	N/A	N/A
322/63/SLS:QPR-	0.1	N/A	N/A	N/A	N/A	N/A
322/63/ACC+	2.02	N/A	N/A	N/A	N/A	N/A
322/63/ACC-	-1.72	N/A	N/A	N/A	N/A	N/A
322/81/ULS+	0.43	N/A	N/A	N/A	N/A	N/A
322/81/ULS-	0.12	N/A	N/A	N/A	N/A	N/A
322/81/SLS+	0.3	N/A	N/A	N/A	N/A	N/A
322/81/SLS-	0.12	N/A	N/A	N/A	N/A	N/A
322/81/SLS:CHR+	0.3	N/A	N/A	N/A	N/A	N/A
322/81/SLS:CHR-	0.12	N/A	N/A	N/A	N/A	N/A
322/81/SLS:FRE+	0.24	N/A	N/A	N/A	N/A	N/A
322/81/SLS:FRE-	0.12	N/A	N/A	N/A	N/A	N/A
322/81/SLS:QPR+	0.23	N/A	N/A	N/A	N/A	N/A
322/81/SLS:QPR-	0.12	N/A	N/A	N/A	N/A	N/A
322/81/ACC+	2.04	N/A	N/A	N/A	N/A	N/A
322/81/ACC-	-1.7	N/A	N/A	N/A	N/A	N/A
323/81/ULS+	-0.25	N/A	N/A	N/A	N/A	N/A
323/81/ULS-	-1.05	N/A	N/A	N/A	N/A	N/A
323/81/SLS+	-0.25	N/A	N/A	N/A	N/A	N/A
323/81/SLS-	-0.72	N/A	N/A	N/A	N/A	N/A

323/81/SLS:CHR+	-0.25	N/A	N/A	N/A	N/A	N/A
323/81/SLS:CHR-	-0.72	N/A	N/A	N/A	N/A	N/A
323/81/SLS:FRE+	-0.25	N/A	N/A	N/A	N/A	N/A
323/81/SLS:FRE-	-0.58	N/A	N/A	N/A	N/A	N/A
323/81/SLS:QPR+	-0.25	N/A	N/A	N/A	N/A	N/A
323/81/SLS:QPR-	-0.53	N/A	N/A	N/A	N/A	N/A
323/81/ACC+	1.78	N/A	N/A	N/A	N/A	N/A
323/81/ACC-	-2.56	N/A	N/A	N/A	N/A	N/A
323/12/ULS+	-0.28	N/A	N/A	N/A	N/A	N/A
323/12/ULS-	-1.08	N/A	N/A	N/A	N/A	N/A
323/12/SLS+	-0.28	N/A	N/A	N/A	N/A	N/A
323/12/SLS-	-0.75	N/A	N/A	N/A	N/A	N/A
323/12/SLS:CHR+	-0.28	N/A	N/A	N/A	N/A	N/A
323/12/SLS:CHR-	-0.75	N/A	N/A	N/A	N/A	N/A
323/12/SLS:FRE+	-0.28	N/A	N/A	N/A	N/A	N/A
323/12/SLS:FRE-	-0.6	N/A	N/A	N/A	N/A	N/A
323/12/SLS:QPR+	-0.28	N/A	N/A	N/A	N/A	N/A
323/12/SLS:QPR-	-0.56	N/A	N/A	N/A	N/A	N/A
323/12/ACC+	1.75	N/A	N/A	N/A	N/A	N/A
323/12/ACC-	-2.58	N/A	N/A	N/A	N/A	N/A
324/82/ULS+	0.17	N/A	N/A	N/A	N/A	N/A
324/82/ULS-	0.04	N/A	N/A	N/A	N/A	N/A
324/82/SLS+	0.12	N/A	N/A	N/A	N/A	N/A
324/82/SLS-	0.04	N/A	N/A	N/A	N/A	N/A
324/82/SLS:CHR+	0.12	N/A	N/A	N/A	N/A	N/A
324/82/SLS:CHR-	0.04	N/A	N/A	N/A	N/A	N/A
324/82/SLS:FRE+	0.09	N/A	N/A	N/A	N/A	N/A
324/82/SLS:FRE-	0.04	N/A	N/A	N/A	N/A	N/A
324/82/SLS:QPR+	0.09	N/A	N/A	N/A	N/A	N/A
324/82/SLS:QPR-	0.04	N/A	N/A	N/A	N/A	N/A
324/82/ACC+	2.1	N/A	N/A	N/A	N/A	N/A
324/82/ACC-	-1.98	N/A	N/A	N/A	N/A	N/A
324/11/ULS+	0.2	N/A	N/A	N/A	N/A	N/A
324/11/ULS-	0.06	N/A	N/A	N/A	N/A	N/A
324/11/SLS+	0.14	N/A	N/A	N/A	N/A	N/A
324/11/SLS-	0.06	N/A	N/A	N/A	N/A	N/A
324/11/SLS:CHR+	0.14	N/A	N/A	N/A	N/A	N/A
324/11/SLS:CHR-	0.06	N/A	N/A	N/A	N/A	N/A
324/11/SLS:FRE+	0.12	N/A	N/A	N/A	N/A	N/A
324/11/SLS:FRE-	0.06	N/A	N/A	N/A	N/A	N/A
324/11/SLS:QPR+	0.11	N/A	N/A	N/A	N/A	N/A
324/11/SLS:QPR-	0.06	N/A	N/A	N/A	N/A	N/A
324/11/ACC+	2.13	N/A	N/A	N/A	N/A	N/A
324/11/ACC-	-1.96	N/A	N/A	N/A	N/A	N/A

327/52/ULS+	1.6	N/A	N/A	N/A	N/A	N/A
327/52/ULS-	0.42	N/A	N/A	N/A	N/A	N/A
327/52/SLS+	1.11	N/A	N/A	N/A	N/A	N/A
327/52/SLS-	0.42	N/A	N/A	N/A	N/A	N/A
327/52/SLS:CHR+	1.11	N/A	N/A	N/A	N/A	N/A
327/52/SLS:CHR-	0.42	N/A	N/A	N/A	N/A	N/A
327/52/SLS:FRE+	0.9	N/A	N/A	N/A	N/A	N/A
327/52/SLS:FRE-	0.42	N/A	N/A	N/A	N/A	N/A
327/52/SLS:QPR+	0.83	N/A	N/A	N/A	N/A	N/A
327/52/SLS:QPR-	0.42	N/A	N/A	N/A	N/A	N/A
327/52/ACC+	5.26	N/A	N/A	N/A	N/A	N/A
327/52/ACC-	-4	N/A	N/A	N/A	N/A	N/A
327/72/ULS+	1.53	N/A	N/A	N/A	N/A	N/A
327/72/ULS-	0.37	N/A	N/A	N/A	N/A	N/A
327/72/SLS+	1.06	N/A	N/A	N/A	N/A	N/A
327/72/SLS-	0.37	N/A	N/A	N/A	N/A	N/A
327/72/SLS:CHR+	1.06	N/A	N/A	N/A	N/A	N/A
327/72/SLS:CHR-	0.37	N/A	N/A	N/A	N/A	N/A
327/72/SLS:FRE+	0.85	N/A	N/A	N/A	N/A	N/A
327/72/SLS:FRE-	0.37	N/A	N/A	N/A	N/A	N/A
327/72/SLS:QPR+	0.78	N/A	N/A	N/A	N/A	N/A
327/72/SLS:QPR-	0.37	N/A	N/A	N/A	N/A	N/A
327/72/ACC+	5.2	N/A	N/A	N/A	N/A	N/A
327/72/ACC-	-4.05	N/A	N/A	N/A	N/A	N/A
328/53/ULS+	0.83	N/A	N/A	N/A	N/A	N/A
328/53/ULS-	0.21	N/A	N/A	N/A	N/A	N/A
328/53/SLS+	0.58	N/A	N/A	N/A	N/A	N/A
328/53/SLS-	0.21	N/A	N/A	N/A	N/A	N/A
328/53/SLS:CHR+	0.58	N/A	N/A	N/A	N/A	N/A
328/53/SLS:CHR-	0.21	N/A	N/A	N/A	N/A	N/A
328/53/SLS:FRE+	0.46	N/A	N/A	N/A	N/A	N/A
328/53/SLS:FRE-	0.21	N/A	N/A	N/A	N/A	N/A
328/53/SLS:QPR+	0.43	N/A	N/A	N/A	N/A	N/A
328/53/SLS:QPR-	0.21	N/A	N/A	N/A	N/A	N/A
328/53/ACC+	5.23	N/A	N/A	N/A	N/A	N/A
328/53/ACC-	-4.59	N/A	N/A	N/A	N/A	N/A
328/71/ULS+	0.9	N/A	N/A	N/A	N/A	N/A
328/71/ULS-	0.26	N/A	N/A	N/A	N/A	N/A
328/71/SLS+	0.63	N/A	N/A	N/A	N/A	N/A
328/71/SLS-	0.26	N/A	N/A	N/A	N/A	N/A
328/71/SLS:CHR+	0.63	N/A	N/A	N/A	N/A	N/A
328/71/SLS:CHR-	0.26	N/A	N/A	N/A	N/A	N/A
328/71/SLS:FRE+	0.52	N/A	N/A	N/A	N/A	N/A
328/71/SLS:FRE-	0.26	N/A	N/A	N/A	N/A	N/A

328/71/SLS:QPR+	0.48	N/A	N/A	N/A	N/A	N/A
328/71/SLS:QPR-	0.26	N/A	N/A	N/A	N/A	N/A
328/71/ACC+	5.28	N/A	N/A	N/A	N/A	N/A
328/71/ACC-	-4.54	N/A	N/A	N/A	N/A	N/A
329/71/ULS+	1.7	N/A	N/A	N/A	N/A	N/A
329/71/ULS-	0.46	N/A	N/A	N/A	N/A	N/A
329/71/SLS+	1.18	N/A	N/A	N/A	N/A	N/A
329/71/SLS-	0.46	N/A	N/A	N/A	N/A	N/A
329/71/SLS:CHR+	1.18	N/A	N/A	N/A	N/A	N/A
329/71/SLS:CHR-	0.46	N/A	N/A	N/A	N/A	N/A
329/71/SLS:FRE+	0.96	N/A	N/A	N/A	N/A	N/A
329/71/SLS:FRE-	0.46	N/A	N/A	N/A	N/A	N/A
329/71/SLS:QPR+	0.89	N/A	N/A	N/A	N/A	N/A
329/71/SLS:QPR-	0.46	N/A	N/A	N/A	N/A	N/A
329/71/ACC+	5.71	N/A	N/A	N/A	N/A	N/A
329/71/ACC-	-4.36	N/A	N/A	N/A	N/A	N/A
329/91/ULS+	1.63	N/A	N/A	N/A	N/A	N/A
329/91/ULS-	0.4	N/A	N/A	N/A	N/A	N/A
329/91/SLS+	1.13	N/A	N/A	N/A	N/A	N/A
329/91/SLS-	0.4	N/A	N/A	N/A	N/A	N/A
329/91/SLS:CHR+	1.13	N/A	N/A	N/A	N/A	N/A
329/91/SLS:CHR-	0.4	N/A	N/A	N/A	N/A	N/A
329/91/SLS:FRE+	0.91	N/A	N/A	N/A	N/A	N/A
329/91/SLS:FRE-	0.4	N/A	N/A	N/A	N/A	N/A
329/91/SLS:QPR+	0.84	N/A	N/A	N/A	N/A	N/A
329/91/SLS:QPR-	0.4	N/A	N/A	N/A	N/A	N/A
329/91/ACC+	5.65	N/A	N/A	N/A	N/A	N/A
329/91/ACC-	-4.41	N/A	N/A	N/A	N/A	N/A
330/72/ULS+	1.81	N/A	N/A	N/A	N/A	N/A
330/72/ULS-	0.44	N/A	N/A	N/A	N/A	N/A
330/72/SLS+	1.25	N/A	N/A	N/A	N/A	N/A
330/72/SLS-	0.44	N/A	N/A	N/A	N/A	N/A
330/72/SLS:CHR+	1.25	N/A	N/A	N/A	N/A	N/A
330/72/SLS:CHR-	0.44	N/A	N/A	N/A	N/A	N/A
330/72/SLS:FRE+	1.01	N/A	N/A	N/A	N/A	N/A
330/72/SLS:FRE-	0.44	N/A	N/A	N/A	N/A	N/A
330/72/SLS:QPR+	0.93	N/A	N/A	N/A	N/A	N/A
330/72/SLS:QPR-	0.44	N/A	N/A	N/A	N/A	N/A
330/72/ACC+	5.36	N/A	N/A	N/A	N/A	N/A
330/72/ACC-	-3.99	N/A	N/A	N/A	N/A	N/A
330/90/ULS+	1.88	N/A	N/A	N/A	N/A	N/A
330/90/ULS-	0.49	N/A	N/A	N/A	N/A	N/A
330/90/SLS+	1.3	N/A	N/A	N/A	N/A	N/A
330/90/SLS-	0.49	N/A	N/A	N/A	N/A	N/A

330/90/SLS:CHR+	1.3	N/A	N/A	N/A	N/A	N/A
330/90/SLS:CHR-	0.49	N/A	N/A	N/A	N/A	N/A
330/90/SLS:FRE+	1.06	N/A	N/A	N/A	N/A	N/A
330/90/SLS:FRE-	0.49	N/A	N/A	N/A	N/A	N/A
330/90/SLS:QPR+	0.98	N/A	N/A	N/A	N/A	N/A
330/90/SLS:QPR-	0.49	N/A	N/A	N/A	N/A	N/A
330/90/ACC+	5.41	N/A	N/A	N/A	N/A	N/A
330/90/ACC-	-3.94	N/A	N/A	N/A	N/A	N/A
333/23/ULS+	3.03	N/A	N/A	N/A	N/A	N/A
333/23/ULS-	0.76	N/A	N/A	N/A	N/A	N/A
333/23/SLS+	2.1	N/A	N/A	N/A	N/A	N/A
333/23/SLS-	0.76	N/A	N/A	N/A	N/A	N/A
333/23/SLS:CHR+	2.1	N/A	N/A	N/A	N/A	N/A
333/23/SLS:CHR-	0.76	N/A	N/A	N/A	N/A	N/A
333/23/SLS:FRE+	1.69	N/A	N/A	N/A	N/A	N/A
333/23/SLS:FRE-	0.76	N/A	N/A	N/A	N/A	N/A
333/23/SLS:QPR+	1.56	N/A	N/A	N/A	N/A	N/A
333/23/SLS:QPR-	0.76	N/A	N/A	N/A	N/A	N/A
333/23/ACC+	6.92	N/A	N/A	N/A	N/A	N/A
333/23/ACC-	-4.6	N/A	N/A	N/A	N/A	N/A
333/51/ULS+	2.98	N/A	N/A	N/A	N/A	N/A
333/51/ULS-	0.72	N/A	N/A	N/A	N/A	N/A
333/51/SLS+	2.06	N/A	N/A	N/A	N/A	N/A
333/51/SLS-	0.72	N/A	N/A	N/A	N/A	N/A
333/51/SLS:CHR+	2.06	N/A	N/A	N/A	N/A	N/A
333/51/SLS:CHR-	0.72	N/A	N/A	N/A	N/A	N/A
333/51/SLS:FRE+	1.66	N/A	N/A	N/A	N/A	N/A
333/51/SLS:FRE-	0.72	N/A	N/A	N/A	N/A	N/A
333/51/SLS:QPR+	1.52	N/A	N/A	N/A	N/A	N/A
333/51/SLS:QPR-	0.72	N/A	N/A	N/A	N/A	N/A
333/51/ACC+	6.88	N/A	N/A	N/A	N/A	N/A
333/51/ACC-	-4.64	N/A	N/A	N/A	N/A	N/A
334/50/ULS+	-0.1	N/A	N/A	N/A	N/A	N/A
334/50/ULS-	-0.55	N/A	N/A	N/A	N/A	N/A
334/50/SLS+	-0.1	N/A	N/A	N/A	N/A	N/A
334/50/SLS-	-0.38	N/A	N/A	N/A	N/A	N/A
334/50/SLS:CHR+	-0.1	N/A	N/A	N/A	N/A	N/A
334/50/SLS:CHR-	-0.38	N/A	N/A	N/A	N/A	N/A
334/50/SLS:FRE+	-0.1	N/A	N/A	N/A	N/A	N/A
334/50/SLS:FRE-	-0.3	N/A	N/A	N/A	N/A	N/A
334/50/SLS:QPR+	-0.1	N/A	N/A	N/A	N/A	N/A
334/50/SLS:QPR-	-0.27	N/A	N/A	N/A	N/A	N/A
334/50/ACC+	5.43	N/A	N/A	N/A	N/A	N/A
334/50/ACC-	-5.8	N/A	N/A	N/A	N/A	N/A

334/24/ULS+	-0.14	N/A	N/A	N/A	N/A	N/A
334/24/ULS-	-0.6	N/A	N/A	N/A	N/A	N/A
334/24/SLS+	-0.14	N/A	N/A	N/A	N/A	N/A
334/24/SLS-	-0.41	N/A	N/A	N/A	N/A	N/A
334/24/SLS:CHR+	-0.14	N/A	N/A	N/A	N/A	N/A
334/24/SLS:CHR-	-0.41	N/A	N/A	N/A	N/A	N/A
334/24/SLS:FRE+	-0.14	N/A	N/A	N/A	N/A	N/A
334/24/SLS:FRE-	-0.33	N/A	N/A	N/A	N/A	N/A
334/24/SLS:QPR+	-0.14	N/A	N/A	N/A	N/A	N/A
334/24/SLS:QPR-	-0.3	N/A	N/A	N/A	N/A	N/A
334/24/ACC+	5.39	N/A	N/A	N/A	N/A	N/A
334/24/ACC-	-5.84	N/A	N/A	N/A	N/A	N/A
335/50/ULS+	1.48	N/A	N/A	N/A	N/A	N/A
335/50/ULS-	0.38	N/A	N/A	N/A	N/A	N/A
335/50/SLS+	1.02	N/A	N/A	N/A	N/A	N/A
335/50/SLS-	0.38	N/A	N/A	N/A	N/A	N/A
335/50/SLS:CHR+	1.02	N/A	N/A	N/A	N/A	N/A
335/50/SLS:CHR-	0.38	N/A	N/A	N/A	N/A	N/A
335/50/SLS:FRE+	0.83	N/A	N/A	N/A	N/A	N/A
335/50/SLS:FRE-	0.38	N/A	N/A	N/A	N/A	N/A
335/50/SLS:QPR+	0.77	N/A	N/A	N/A	N/A	N/A
335/50/SLS:QPR-	0.38	N/A	N/A	N/A	N/A	N/A
335/50/ACC+	5.55	N/A	N/A	N/A	N/A	N/A
335/50/ACC-	-4.41	N/A	N/A	N/A	N/A	N/A
335/70/ULS+	1.43	N/A	N/A	N/A	N/A	N/A
335/70/ULS-	0.34	N/A	N/A	N/A	N/A	N/A
335/70/SLS+	0.99	N/A	N/A	N/A	N/A	N/A
335/70/SLS-	0.34	N/A	N/A	N/A	N/A	N/A
335/70/SLS:CHR+	0.99	N/A	N/A	N/A	N/A	N/A
335/70/SLS:CHR-	0.34	N/A	N/A	N/A	N/A	N/A
335/70/SLS:FRE+	0.79	N/A	N/A	N/A	N/A	N/A
335/70/SLS:FRE-	0.34	N/A	N/A	N/A	N/A	N/A
335/70/SLS:QPR+	0.73	N/A	N/A	N/A	N/A	N/A
335/70/SLS:QPR-	0.34	N/A	N/A	N/A	N/A	N/A
335/70/ACC+	5.51	N/A	N/A	N/A	N/A	N/A
335/70/ACC-	-4.45	N/A	N/A	N/A	N/A	N/A
336/51/ULS+	0.82	N/A	N/A	N/A	N/A	N/A
336/51/ULS-	0.19	N/A	N/A	N/A	N/A	N/A
336/51/SLS+	0.57	N/A	N/A	N/A	N/A	N/A
336/51/SLS-	0.19	N/A	N/A	N/A	N/A	N/A
336/51/SLS:CHR+	0.57	N/A	N/A	N/A	N/A	N/A
336/51/SLS:CHR-	0.19	N/A	N/A	N/A	N/A	N/A
336/51/SLS:FRE+	0.45	N/A	N/A	N/A	N/A	N/A
336/51/SLS:FRE-	0.19	N/A	N/A	N/A	N/A	N/A

336/51/SLS:QPR+	0.42	N/A	N/A	N/A	N/A	N/A
336/51/SLS:QPR-	0.19	N/A	N/A	N/A	N/A	N/A
336/51/ACC+	5.21	N/A	N/A	N/A	N/A	N/A
336/51/ACC-	-4.6	N/A	N/A	N/A	N/A	N/A
336/69/ULS+	0.87	N/A	N/A	N/A	N/A	N/A
336/69/ULS-	0.23	N/A	N/A	N/A	N/A	N/A
336/69/SLS+	0.6	N/A	N/A	N/A	N/A	N/A
336/69/SLS-	0.23	N/A	N/A	N/A	N/A	N/A
336/69/SLS:CHR+	0.6	N/A	N/A	N/A	N/A	N/A
336/69/SLS:CHR-	0.23	N/A	N/A	N/A	N/A	N/A
336/69/SLS:FRE+	0.49	N/A	N/A	N/A	N/A	N/A
336/69/SLS:FRE-	0.23	N/A	N/A	N/A	N/A	N/A
336/69/SLS:QPR+	0.45	N/A	N/A	N/A	N/A	N/A
336/69/SLS:QPR-	0.23	N/A	N/A	N/A	N/A	N/A
336/69/ACC+	5.24	N/A	N/A	N/A	N/A	N/A
336/69/ACC-	-4.56	N/A	N/A	N/A	N/A	N/A
337/69/ULS+	2.11	N/A	N/A	N/A	N/A	N/A
337/69/ULS-	0.53	N/A	N/A	N/A	N/A	N/A
337/69/SLS+	1.46	N/A	N/A	N/A	N/A	N/A
337/69/SLS-	0.53	N/A	N/A	N/A	N/A	N/A
337/69/SLS:CHR+	1.46	N/A	N/A	N/A	N/A	N/A
337/69/SLS:CHR-	0.53	N/A	N/A	N/A	N/A	N/A
337/69/SLS:FRE+	1.18	N/A	N/A	N/A	N/A	N/A
337/69/SLS:FRE-	0.53	N/A	N/A	N/A	N/A	N/A
337/69/SLS:QPR+	1.09	N/A	N/A	N/A	N/A	N/A
337/69/SLS:QPR-	0.53	N/A	N/A	N/A	N/A	N/A
337/69/ACC+	5.97	N/A	N/A	N/A	N/A	N/A
337/69/ACC-	-4.36	N/A	N/A	N/A	N/A	N/A
337/89/ULS+	2.06	N/A	N/A	N/A	N/A	N/A
337/89/ULS-	0.49	N/A	N/A	N/A	N/A	N/A
337/89/SLS+	1.42	N/A	N/A	N/A	N/A	N/A
337/89/SLS-	0.49	N/A	N/A	N/A	N/A	N/A
337/89/SLS:CHR+	1.42	N/A	N/A	N/A	N/A	N/A
337/89/SLS:CHR-	0.49	N/A	N/A	N/A	N/A	N/A
337/89/SLS:FRE+	1.14	N/A	N/A	N/A	N/A	N/A
337/89/SLS:FRE-	0.49	N/A	N/A	N/A	N/A	N/A
337/89/SLS:QPR+	1.05	N/A	N/A	N/A	N/A	N/A
337/89/SLS:QPR-	0.49	N/A	N/A	N/A	N/A	N/A
337/89/ACC+	5.93	N/A	N/A	N/A	N/A	N/A
337/89/ACC-	-4.39	N/A	N/A	N/A	N/A	N/A
338/70/ULS+	1.78	N/A	N/A	N/A	N/A	N/A
338/70/ULS-	0.43	N/A	N/A	N/A	N/A	N/A
338/70/SLS+	1.23	N/A	N/A	N/A	N/A	N/A
338/70/SLS-	0.43	N/A	N/A	N/A	N/A	N/A

338/70/SLS:CHR+	1.23	N/A	N/A	N/A	N/A	N/A
338/70/SLS:CHR-	0.43	N/A	N/A	N/A	N/A	N/A
338/70/SLS:FRE+	0.99	N/A	N/A	N/A	N/A	N/A
338/70/SLS:FRE-	0.43	N/A	N/A	N/A	N/A	N/A
338/70/SLS:QPR+	0.91	N/A	N/A	N/A	N/A	N/A
338/70/SLS:QPR-	0.43	N/A	N/A	N/A	N/A	N/A
338/70/ACC+	5.69	N/A	N/A	N/A	N/A	N/A
338/70/ACC-	-4.36	N/A	N/A	N/A	N/A	N/A
338/88/ULS+	1.83	N/A	N/A	N/A	N/A	N/A
338/88/ULS-	0.46	N/A	N/A	N/A	N/A	N/A
338/88/SLS+	1.27	N/A	N/A	N/A	N/A	N/A
338/88/SLS-	0.46	N/A	N/A	N/A	N/A	N/A
338/88/SLS:CHR+	1.27	N/A	N/A	N/A	N/A	N/A
338/88/SLS:CHR-	0.46	N/A	N/A	N/A	N/A	N/A
338/88/SLS:FRE+	1.03	N/A	N/A	N/A	N/A	N/A
338/88/SLS:FRE-	0.46	N/A	N/A	N/A	N/A	N/A
338/88/SLS:QPR+	0.95	N/A	N/A	N/A	N/A	N/A
338/88/SLS:QPR-	0.46	N/A	N/A	N/A	N/A	N/A
338/88/ACC+	5.73	N/A	N/A	N/A	N/A	N/A
338/88/ACC-	-4.32	N/A	N/A	N/A	N/A	N/A
339/88/ULS+	-0.52	N/A	N/A	N/A	N/A	N/A
339/88/ULS-	-2.26	N/A	N/A	N/A	N/A	N/A
339/88/SLS+	-0.52	N/A	N/A	N/A	N/A	N/A
339/88/SLS-	-1.56	N/A	N/A	N/A	N/A	N/A
339/88/SLS:CHR+	-0.52	N/A	N/A	N/A	N/A	N/A
339/88/SLS:CHR-	-1.56	N/A	N/A	N/A	N/A	N/A
339/88/SLS:FRE+	-0.52	N/A	N/A	N/A	N/A	N/A
339/88/SLS:FRE-	-1.25	N/A	N/A	N/A	N/A	N/A
339/88/SLS:QPR+	-0.52	N/A	N/A	N/A	N/A	N/A
339/88/SLS:QPR-	-1.14	N/A	N/A	N/A	N/A	N/A
339/88/ACC+	4.8	N/A	N/A	N/A	N/A	N/A
339/88/ACC-	-6.46	N/A	N/A	N/A	N/A	N/A
339/26/ULS+	-0.55	N/A	N/A	N/A	N/A	N/A
339/26/ULS-	-2.31	N/A	N/A	N/A	N/A	N/A
339/26/SLS+	-0.55	N/A	N/A	N/A	N/A	N/A
339/26/SLS-	-1.6	N/A	N/A	N/A	N/A	N/A
339/26/SLS:CHR+	-0.55	N/A	N/A	N/A	N/A	N/A
339/26/SLS:CHR-	-1.6	N/A	N/A	N/A	N/A	N/A
339/26/SLS:FRE+	-0.55	N/A	N/A	N/A	N/A	N/A
339/26/SLS:FRE-	-1.28	N/A	N/A	N/A	N/A	N/A
339/26/SLS:QPR+	-0.55	N/A	N/A	N/A	N/A	N/A
339/26/SLS:QPR-	-1.18	N/A	N/A	N/A	N/A	N/A
339/26/ACC+	4.76	N/A	N/A	N/A	N/A	N/A
339/26/ACC-	-6.49	N/A	N/A	N/A	N/A	N/A

340/89/ULS+	1.37	N/A	N/A	N/A	N/A	N/A
340/89/ULS-	0.33	N/A	N/A	N/A	N/A	N/A
340/89/SLS+	0.95	N/A	N/A	N/A	N/A	N/A
340/89/SLS-	0.33	N/A	N/A	N/A	N/A	N/A
340/89/SLS:CHR+	0.95	N/A	N/A	N/A	N/A	N/A
340/89/SLS:CHR-	0.33	N/A	N/A	N/A	N/A	N/A
340/89/SLS:FRE+	0.76	N/A	N/A	N/A	N/A	N/A
340/89/SLS:FRE-	0.33	N/A	N/A	N/A	N/A	N/A
340/89/SLS:QPR+	0.7	N/A	N/A	N/A	N/A	N/A
340/89/SLS:QPR-	0.33	N/A	N/A	N/A	N/A	N/A
340/89/ACC+	5.73	N/A	N/A	N/A	N/A	N/A
340/89/ACC-	-4.7	N/A	N/A	N/A	N/A	N/A
340/25/ULS+	1.42	N/A	N/A	N/A	N/A	N/A
340/25/ULS-	0.37	N/A	N/A	N/A	N/A	N/A
340/25/SLS+	0.98	N/A	N/A	N/A	N/A	N/A
340/25/SLS-	0.37	N/A	N/A	N/A	N/A	N/A
340/25/SLS:CHR+	0.98	N/A	N/A	N/A	N/A	N/A
340/25/SLS:CHR-	0.37	N/A	N/A	N/A	N/A	N/A
340/25/SLS:FRE+	0.8	N/A	N/A	N/A	N/A	N/A
340/25/SLS:FRE-	0.37	N/A	N/A	N/A	N/A	N/A
340/25/SLS:QPR+	0.74	N/A	N/A	N/A	N/A	N/A
340/25/SLS:QPR-	0.37	N/A	N/A	N/A	N/A	N/A
340/25/ACC+	5.77	N/A	N/A	N/A	N/A	N/A
340/25/ACC-	-4.67	N/A	N/A	N/A	N/A	N/A
341/278/ULS+	0.85	0	4.35	0	-0.02	0
341/278/ULS-	0.2	-0.01	1.03	0	-0.1	0
341/278/SLS+	0.58	0	3.01	0	-0.02	0
341/278/SLS-	0.2	0	1.03	0	-0.07	0
341/278/SLS:CHR+	0.58	0	3.01	0	-0.02	0
341/278/SLS:CHR-	0.2	0	1.03	0	-0.07	0
341/278/SLS:FRE+	0.47	0	2.41	0	-0.02	0
341/278/SLS:FRE-	0.2	0	1.03	0	-0.05	0
341/278/SLS:QPR+	0.43	0	2.21	0	-0.02	0
341/278/SLS:QPR-	0.2	0	1.03	0	-0.05	0
341/278/ACC+	4.15	1.97	2.61	0	0.3	0.49
341/278/ACC-	-3.52	-1.98	0.63	0	-0.37	-0.49
341/279/ULS+	0.85	0	-1.74	0	-0.5	0
341/279/ULS-	0.2	-0.01	-7.37	0	-2.1	0
341/279/SLS+	0.58	0	-1.74	0	-0.5	0
341/279/SLS-	0.2	0	-5.09	0	-1.45	0
341/279/SLS:CHR+	0.58	0	-1.74	0	-0.5	0
341/279/SLS:CHR-	0.2	0	-5.09	0	-1.45	0
341/279/SLS:FRE+	0.47	0	-1.74	0	-0.5	0
341/279/SLS:FRE-	0.2	0	-4.08	0	-1.17	0

341/279/SLS:QPR+	0.43	0	-1.74	0	-0.5	0
341/279/SLS:QPR-	0.2	0	-3.75	0	-1.07	0
341/279/ACC+	0.44	1.75	-1.35	0	-0.29	0.35
341/279/ACC-	0.19	-1.76	-4.14	0	-1.28	-0.34
342/279/ULS+	1.31	0	8	0	-0.51	0
342/279/ULS-	0.31	0	1.89	0	-2.16	0
342/279/SLS+	0.9	0	5.52	0	-0.51	0
342/279/SLS-	0.31	0	1.89	0	-1.49	0
342/279/SLS:CHR+	0.9	0	5.52	0	-0.51	0
342/279/SLS:CHR-	0.31	0	1.89	0	-1.49	0
342/279/SLS:FRE+	0.72	0	4.43	0	-0.51	0
342/279/SLS:FRE-	0.31	0	1.89	0	-1.19	0
342/279/SLS:QPR+	0.66	0	4.07	0	-0.51	0
342/279/SLS:QPR-	0.31	0	1.89	0	-1.1	0
342/279/ACC+	4.56	2.73	4.24	0	-0.37	0.92
342/279/ACC-	-3.59	-2.74	1.73	0	-1.23	-0.92
342/280/ULS+	1.31	0	-2.01	0	-0.62	0
342/280/ULS-	0.31	0	-8.52	0	-2.64	0
342/280/SLS+	0.9	0	-2.01	0	-0.62	0
342/280/SLS-	0.31	0	-5.88	0	-1.82	0
342/280/SLS:CHR+	0.9	0	-2.01	0	-0.62	0
342/280/SLS:CHR-	0.31	0	-5.88	0	-1.82	0
342/280/SLS:FRE+	0.72	0	-2.01	0	-0.62	0
342/280/SLS:FRE-	0.31	0	-4.72	0	-1.46	0
342/280/SLS:QPR+	0.66	0	-2.01	0	-0.62	0
342/280/SLS:QPR-	0.31	0	-4.34	0	-1.34	0
342/280/ACC+	2.03	2.51	-1.85	0	-0.45	0.71
342/280/ACC-	-1.05	-2.52	-4.5	0	-1.51	-0.71
343/280/ULS+	1.27	0	8.2	0	-0.62	0
343/280/ULS-	0.3	0	1.94	0	-2.64	0
343/280/SLS+	0.88	0	5.66	0	-0.62	0
343/280/SLS-	0.3	0	1.94	0	-1.82	0
343/280/SLS:CHR+	0.88	0	5.66	0	-0.62	0
343/280/SLS:CHR-	0.3	0	1.94	0	-1.82	0
343/280/SLS:FRE+	0.71	0	4.54	0	-0.62	0
343/280/SLS:FRE-	0.3	0	1.94	0	-1.46	0
343/280/SLS:QPR+	0.65	0	4.17	0	-0.62	0
343/280/SLS:QPR-	0.3	0	1.94	0	-1.34	0
343/280/ACC+	3.17	2.52	4.33	0	-0.45	0.71
343/280/ACC-	-2.22	-2.51	1.77	0	-1.51	-0.71
343/281/ULS+	1.27	0	-1.97	0	-0.65	0
343/281/ULS-	0.3	0	-8.33	0	-2.76	0
343/281/SLS+	0.88	0	-1.97	0	-0.65	0
343/281/SLS-	0.3	0	-5.75	0	-1.9	0

343/281/SLS:CHR+	0.88	0	-1.97	0	-0.65	0
343/281/SLS:CHR-	0.3	0	-5.75	0	-1.9	0
343/281/SLS:FRE+	0.71	0	-1.97	0	-0.65	0
343/281/SLS:FRE-	0.3	0	-4.61	0	-1.53	0
343/281/SLS:QPR+	0.65	0	-1.97	0	-0.65	0
343/281/SLS:QPR-	0.3	0	-4.24	0	-1.4	0
343/281/ACC+	3.38	2.74	-1.8	0	-0.51	0.92
343/281/ACC-	-2.43	-2.74	-4.4	0	-1.54	-0.92
344/281/ULS+	1.59	0	9.18	0	-0.66	0
344/281/ULS-	0.38	0	2.17	0	-2.79	0
344/281/SLS+	1.1	0	6.34	0	-0.66	0
344/281/SLS-	0.38	0	2.17	0	-1.93	0
344/281/SLS:CHR+	1.1	0	6.34	0	-0.66	0
344/281/SLS:CHR-	0.38	0	2.17	0	-1.93	0
344/281/SLS:FRE+	0.88	0	5.09	0	-0.66	0
344/281/SLS:FRE-	0.38	0	2.17	0	-1.55	0
344/281/SLS:QPR+	0.81	0	4.67	0	-0.66	0
344/281/SLS:QPR-	0.38	0	2.17	0	-1.42	0
344/281/ACC+	2	2.39	4.97	0	-0.45	0.66
344/281/ACC-	-0.81	-2.39	1.87	0	-1.63	-0.66
344/282/ULS+	1.59	0	-1.47	0	-0.05	0
344/282/ULS-	0.38	0	-6.2	0	-0.2	0
344/282/SLS+	1.1	0	-1.47	0	-0.05	0
344/282/SLS-	0.38	0	-4.28	0	-0.14	0
344/282/SLS:CHR+	1.1	0	-1.47	0	-0.05	0
344/282/SLS:CHR-	0.38	0	-4.28	0	-0.14	0
344/282/SLS:FRE+	0.88	0	-1.47	0	-0.05	0
344/282/SLS:FRE-	0.38	0	-3.44	0	-0.11	0
344/282/SLS:QPR+	0.81	0	-1.47	0	-0.05	0
344/282/SLS:QPR-	0.38	0	-3.15	0	-0.1	0
344/282/ACC+	4.51	2.5	-1.17	0	0.27	0.75
344/282/ACC-	-3.32	-2.49	-3.46	0	-0.42	-0.75
345/283/ULS+	0.93	0	4.1	0	-0.02	0
345/283/ULS-	0.22	-0.01	0.97	0	-0.1	-0.01
345/283/SLS+	0.65	0	2.83	0	-0.02	0
345/283/SLS-	0.22	-0.01	0.97	0	-0.07	0
345/283/SLS:CHR+	0.65	0	2.83	0	-0.02	0
345/283/SLS:CHR-	0.22	-0.01	0.97	0	-0.07	0
345/283/SLS:FRE+	0.52	0	2.27	0	-0.02	0
345/283/SLS:FRE-	0.22	-0.01	0.97	0	-0.06	0
345/283/SLS:QPR+	0.48	0	2.09	0	-0.02	0
345/283/SLS:QPR-	0.22	-0.01	0.97	0	-0.05	0
345/283/ACC+	3.92	1.9	2.48	0	0.27	0.49
345/283/ACC-	-3.22	-1.9	0.57	0	-0.35	-0.49

345/284/ULS+	0.93	0	-1.63	0	-0.47	0.01
345/284/ULS-	0.22	-0.01	-6.9	0	-1.97	0
345/284/SLS+	0.65	0	-1.63	0	-0.47	0
345/284/SLS-	0.22	-0.01	-4.76	0	-1.36	0
345/284/SLS:CHR+	0.65	0	-1.63	0	-0.47	0
345/284/SLS:CHR-	0.22	-0.01	-4.76	0	-1.36	0
345/284/SLS:FRE+	0.52	0	-1.63	0	-0.47	0
345/284/SLS:FRE-	0.22	-0.01	-3.83	0	-1.09	0
345/284/SLS:QPR+	0.48	0	-1.63	0	-0.47	0
345/284/SLS:QPR-	0.22	-0.01	-3.51	0	-1	0
345/284/ACC+	1.26	1.6	-1.24	0	-0.24	0.3
345/284/ACC-	-0.57	-1.61	-3.91	0	-1.23	-0.29
346/284/ULS+	1.55	0	7.52	0	-0.48	0
346/284/ULS-	0.36	-0.01	1.78	0	-2.03	-0.01
346/284/SLS+	1.07	0	5.19	0	-0.48	0
346/284/SLS-	0.36	0	1.78	0	-1.4	0
346/284/SLS:CHR+	1.07	0	5.19	0	-0.48	0
346/284/SLS:CHR-	0.36	0	1.78	0	-1.4	0
346/284/SLS:FRE+	0.86	0	4.17	0	-0.48	0
346/284/SLS:FRE-	0.36	0	1.78	0	-1.13	0
346/284/SLS:QPR+	0.79	0	3.83	0	-0.48	0
346/284/SLS:QPR-	0.36	0	1.78	0	-1.03	0
346/284/ACC+	5.14	2.59	4	0	-0.32	0.89
346/284/ACC-	-3.99	-2.6	1.61	0	-1.19	-0.89
346/285/ULS+	1.55	0	-1.89	0	-0.59	0.01
346/285/ULS-	0.36	-0.01	-7.99	0	-2.47	0
346/285/SLS+	1.07	0	-1.89	0	-0.59	0
346/285/SLS-	0.36	0	-5.51	0	-1.71	0
346/285/SLS:CHR+	1.07	0	-1.89	0	-0.59	0
346/285/SLS:CHR-	0.36	0	-5.51	0	-1.71	0
346/285/SLS:FRE+	0.86	0	-1.89	0	-0.59	0
346/285/SLS:FRE-	0.36	0	-4.43	0	-1.37	0
346/285/SLS:QPR+	0.79	0	-1.89	0	-0.59	0
346/285/SLS:QPR-	0.36	0	-4.06	0	-1.26	0
346/285/ACC+	3.18	2.34	-1.72	0	-0.41	0.65
346/285/ACC-	-2.03	-2.34	-4.24	0	-1.43	-0.65
347/285/ULS+	1.52	0	7.69	0	-0.58	0
347/285/ULS-	0.36	0	1.82	0	-2.47	0
347/285/SLS+	1.05	0	5.31	0	-0.58	0
347/285/SLS-	0.36	0	1.82	0	-1.7	0
347/285/SLS:CHR+	1.05	0	5.31	0	-0.58	0
347/285/SLS:CHR-	0.36	0	1.82	0	-1.7	0
347/285/SLS:FRE+	0.84	0	4.26	0	-0.58	0
347/285/SLS:FRE-	0.36	0	1.82	0	-1.37	0

347/285/SLS:QPR+	0.77	0	3.91	0	-0.58	0
347/285/SLS:QPR-	0.36	0	1.82	0	-1.25	0
347/285/ACC+	3.94	2.34	4.09	0	-0.41	0.66
347/285/ACC-	-2.81	-2.34	1.64	0	-1.43	-0.65
347/286/ULS+	1.52	0	-1.85	0	-0.61	0
347/286/ULS-	0.36	0	-7.82	0	-2.58	0
347/286/SLS+	1.05	0	-1.85	0	-0.61	0
347/286/SLS-	0.36	0	-5.4	0	-1.78	0
347/286/SLS:CHR+	1.05	0	-1.85	0	-0.61	0
347/286/SLS:CHR-	0.36	0	-5.4	0	-1.78	0
347/286/SLS:FRE+	0.84	0	-1.85	0	-0.61	0
347/286/SLS:FRE-	0.36	0	-4.33	0	-1.43	0
347/286/SLS:QPR+	0.77	0	-1.85	0	-0.61	0
347/286/SLS:QPR-	0.36	0	-3.98	0	-1.31	0
347/286/ACC+	3.73	2.59	-1.67	0	-0.45	0.89
347/286/ACC-	-2.6	-2.59	-4.16	0	-1.47	-0.89
348/286/ULS+	1.83	0	8.6	0	-0.62	0
348/286/ULS-	0.43	0	2.04	0	-2.62	0
348/286/SLS+	1.26	0	5.93	0	-0.62	0
348/286/SLS-	0.43	0	2.04	0	-1.81	0
348/286/SLS:CHR+	1.26	0	5.93	0	-0.62	0
348/286/SLS:CHR-	0.43	0	2.04	0	-1.81	0
348/286/SLS:FRE+	1.01	0	4.76	0	-0.62	0
348/286/SLS:FRE-	0.43	0	2.04	0	-1.45	0
348/286/SLS:QPR+	0.93	0	4.38	0	-0.62	0
348/286/SLS:QPR-	0.43	0	2.04	0	-1.33	0
348/286/ACC+	2.75	2.23	4.66	0	-0.41	0.6
348/286/ACC-	-1.39	-2.22	1.75	0	-1.54	-0.6
348/287/ULS+	1.83	0	-1.38	0	-0.05	0
348/287/ULS-	0.43	0	-5.83	0	-0.21	0
348/287/SLS+	1.26	0	-1.38	0	-0.05	0
348/287/SLS-	0.43	0	-4.03	0	-0.14	0
348/287/SLS:CHR+	1.26	0	-1.38	0	-0.05	0
348/287/SLS:CHR-	0.43	0	-4.03	0	-0.14	0
348/287/SLS:FRE+	1.01	0	-1.38	0	-0.05	0
348/287/SLS:FRE-	0.43	0	-3.23	0	-0.11	0
348/287/SLS:QPR+	0.93	0	-1.38	0	-0.05	0
348/287/SLS:QPR-	0.43	0	-2.97	0	-0.1	0
348/287/ACC+	4.25	2.37	-1.1	0	0.24	0.72
348/287/ACC-	-2.89	-2.36	-3.25	0	-0.39	-0.73
373/37/ULS+	-0.38	-0.07	0.25	0	0	0
373/37/ULS-	-1.29	-0.24	0.1	0	0	0
373/37/SLS+	-0.38	-0.07	0.18	0	0	0
373/37/SLS-	-0.89	-0.16	0.1	0	0	0

373/37/SLS:CHR+	-0.38	-0.07	0.18	0	0	0
373/37/SLS:CHR-	-0.89	-0.16	0.1	0	0	0
373/37/SLS:FRE+	-0.38	-0.07	0.16	0	0	0
373/37/SLS:FRE-	-0.74	-0.14	0.1	0	0	0
373/37/SLS:QPR+	-0.38	-0.07	0.15	0	0	0
373/37/SLS:QPR-	-0.69	-0.13	0.1	0	0	0
373/37/ACC+	0.21	0.19	0.2	0	0	0
373/37/ACC-	-1.27	-0.38	0.05	0	0	0
373/291/ULS+	-0.38	-0.07	0.13	0	0.11	0.13
373/291/ULS-	-1.29	-0.24	0.01	0	0.03	0.04
373/291/SLS+	-0.38	-0.07	0.09	0	0.07	0.09
373/291/SLS-	-0.89	-0.16	0.01	0	0.03	0.04
373/291/SLS:CHR+	-0.38	-0.07	0.09	0	0.07	0.09
373/291/SLS:CHR-	-0.89	-0.16	0.01	0	0.03	0.04
373/291/SLS:FRE+	-0.38	-0.07	0.07	0	0.06	0.07
373/291/SLS:FRE-	-0.74	-0.14	0.01	0	0.03	0.04
373/291/SLS:QPR+	-0.38	-0.07	0.06	0	0.06	0.07
373/291/SLS:QPR-	-0.69	-0.13	0.01	0	0.03	0.04
373/291/ACC+	0.21	0.19	0.11	0	0.09	0.21
373/291/ACC-	-1.27	-0.38	-0.04	0	0	-0.1
374/291/ULS+	0.28	0.4	1.33	-0.02	-0.01	0.15
374/291/ULS-	0.08	0.11	0.34	-0.07	-0.04	0.04
374/291/SLS+	0.19	0.28	0.92	-0.02	-0.01	0.11
374/291/SLS-	0.08	0.11	0.34	-0.05	-0.03	0.04
374/291/SLS:CHR+	0.19	0.28	0.92	-0.02	-0.01	0.11
374/291/SLS:CHR-	0.08	0.11	0.34	-0.05	-0.03	0.04
374/291/SLS:FRE+	0.16	0.23	0.75	-0.02	-0.01	0.09
374/291/SLS:FRE-	0.08	0.11	0.34	-0.04	-0.03	0.04
374/291/SLS:QPR+	0.15	0.21	0.69	-0.02	-0.01	0.08
374/291/SLS:QPR-	0.08	0.11	0.34	-0.04	-0.02	0.04
374/291/ACC+	0.48	0.93	0.85	0.01	0.07	0.26
374/291/ACC-	-0.25	-0.61	0.19	-0.07	-0.1	-0.14
374/292/ULS+	0.28	0.4	-0.38	-0.02	-0.03	-0.06
374/292/ULS-	0.08	0.11	-1.5	-0.07	-0.12	-0.21
374/292/SLS+	0.19	0.28	-0.38	-0.02	-0.03	-0.06
374/292/SLS-	0.08	0.11	-1.04	-0.05	-0.08	-0.14
374/292/SLS:CHR+	0.19	0.28	-0.38	-0.02	-0.03	-0.06
374/292/SLS:CHR-	0.08	0.11	-1.04	-0.05	-0.08	-0.14
374/292/SLS:FRE+	0.16	0.23	-0.38	-0.02	-0.03	-0.06
374/292/SLS:FRE-	0.08	0.11	-0.84	-0.04	-0.07	-0.12
374/292/SLS:QPR+	0.15	0.21	-0.38	-0.02	-0.03	-0.06
374/292/SLS:QPR-	0.08	0.11	-0.77	-0.04	-0.06	-0.11
374/292/ACC+	1.13	0.37	-0.22	0.01	0.05	0.02
374/292/ACC-	-0.9	-0.05	-0.93	-0.07	-0.14	-0.18

376/94/ULS+	-0.97	-0.04	2.61	0	0	0
376/94/ULS-	-3.64	-0.16	0.66	0	0	0
376/94/SLS+	-0.97	-0.04	1.81	0	0	0
376/94/SLS-	-2.53	-0.11	0.66	0	0	0
376/94/SLS:CHR+	-0.97	-0.04	1.81	0	0	0
376/94/SLS:CHR-	-2.53	-0.11	0.66	0	0	0
376/94/SLS:FRE+	-0.97	-0.04	1.46	0	0	0
376/94/SLS:FRE-	-2.06	-0.09	0.66	0	0	0
376/94/SLS:QPR+	-0.97	-0.04	1.35	0	0	0
376/94/SLS:QPR-	-1.91	-0.09	0.66	0	0	0
376/94/ACC+	1.2	0.53	1.46	0	0	0
376/94/ACC-	-4.08	-0.66	0.55	0	0	0
376/34/ULS+	-0.97	-0.04	-0.6	0	0.07	0.15
376/34/ULS-	-3.64	-0.16	-2.45	0	0.03	0.04
376/34/SLS+	-0.97	-0.04	-0.6	0	0.05	0.1
376/34/SLS-	-2.53	-0.11	-1.69	0	0.03	0.04
376/34/SLS:CHR+	-0.97	-0.04	-0.6	0	0.05	0.1
376/34/SLS:CHR-	-2.53	-0.11	-1.69	0	0.03	0.04
376/34/SLS:FRE+	-0.97	-0.04	-0.6	0	0.04	0.08
376/34/SLS:FRE-	-2.06	-0.09	-1.37	0	0.03	0.04
376/34/SLS:QPR+	-0.97	-0.04	-0.6	0	0.04	0.08
376/34/SLS:QPR-	-1.91	-0.09	-1.26	0	0.03	0.04
376/34/ACC+	-0.14	0.98	-0.49	0	0.14	0.29
376/34/ACC-	-2.74	-1.11	-1.37	0	-0.07	-0.17
379/38/ULS+	-0.41	0.19	0.32	0	0	0
379/38/ULS-	-1.4	0.05	0.12	0	0	0
379/38/SLS+	-0.41	0.13	0.23	0	0	0
379/38/SLS-	-0.97	0.05	0.12	0	0	0
379/38/SLS:CHR+	-0.41	0.13	0.23	0	0	0
379/38/SLS:CHR-	-0.97	0.05	0.12	0	0	0
379/38/SLS:FRE+	-0.41	0.11	0.19	0	0	0
379/38/SLS:FRE-	-0.8	0.05	0.12	0	0	0
379/38/SLS:QPR+	-0.41	0.1	0.18	0	0	0
379/38/SLS:QPR-	-0.75	0.05	0.12	0	0	0
379/38/ACC+	0.24	0.48	0.21	0	0	0
379/38/ACC-	-1.39	-0.32	0.09	0	0	0
379/296/ULS+	-0.41	0.19	0.2	0	0.14	-0.03
379/296/ULS-	-1.4	0.05	0.03	0	0.04	-0.11
379/296/SLS+	-0.41	0.13	0.14	0	0.1	-0.03
379/296/SLS-	-0.97	0.05	0.03	0	0.04	-0.07
379/296/SLS:CHR+	-0.41	0.13	0.14	0	0.1	-0.03
379/296/SLS:CHR-	-0.97	0.05	0.03	0	0.04	-0.07
379/296/SLS:FRE+	-0.41	0.11	0.1	0	0.08	-0.03
379/296/SLS:FRE-	-0.8	0.05	0.03	0	0.04	-0.06

379/296/SLS:QPR+	-0.41	0.1	0.09	0	0.08	-0.03
379/296/SLS:QPR-	-0.75	0.05	0.03	0	0.04	-0.06
379/296/ACC+	0.24	0.48	0.12	0	0.09	0.18
379/296/ACC-	-1.39	-0.32	0	0	0.02	-0.26
380/297/ULS+	0.3	-0.12	1.17	0.11	0.07	-0.06
380/297/ULS-	0.08	-0.43	0.29	0.03	0.02	-0.21
380/297/SLS+	0.2	-0.12	0.81	0.08	0.05	-0.06
380/297/SLS-	0.08	-0.3	0.29	0.03	0.02	-0.14
380/297/SLS:CHR+	0.2	-0.12	0.81	0.08	0.05	-0.06
380/297/SLS:CHR-	0.08	-0.3	0.29	0.03	0.02	-0.14
380/297/SLS:FRE+	0.17	-0.12	0.65	0.06	0.04	-0.06
380/297/SLS:FRE-	0.08	-0.24	0.29	0.03	0.02	-0.12
380/297/SLS:QPR+	0.15	-0.12	0.6	0.06	0.04	-0.06
380/297/SLS:QPR-	0.08	-0.22	0.29	0.03	0.02	-0.11
380/297/ACC+	1.12	-0.05	0.83	0.13	0.14	0.09
380/297/ACC-	-0.89	-0.29	0.07	-0.04	-0.09	-0.26
380/296/ULS+	0.3	-0.12	-0.39	0.11	-0.02	0.16
380/296/ULS-	0.08	-0.43	-1.51	0.03	-0.08	0.04
380/296/SLS+	0.2	-0.12	-0.39	0.08	-0.02	0.11
380/296/SLS-	0.08	-0.3	-1.04	0.03	-0.05	0.04
380/296/SLS:CHR+	0.2	-0.12	-0.39	0.08	-0.02	0.11
380/296/SLS:CHR-	0.08	-0.3	-1.04	0.03	-0.05	0.04
380/296/SLS:FRE+	0.17	-0.12	-0.39	0.06	-0.02	0.09
380/296/SLS:FRE-	0.08	-0.24	-0.85	0.03	-0.04	0.04
380/296/SLS:QPR+	0.15	-0.12	-0.39	0.06	-0.02	0.08
380/296/SLS:QPR-	0.08	-0.22	-0.78	0.03	-0.04	0.04
380/296/ACC+	0.63	0.77	-0.16	0.13	0.08	0.34
380/296/ACC-	-0.4	-1.11	-1.01	-0.04	-0.14	-0.22
405/27/ULS+	2.45	N/A	N/A	N/A	N/A	N/A
405/27/ULS-	0.64	N/A	N/A	N/A	N/A	N/A
405/27/SLS+	1.7	N/A	N/A	N/A	N/A	N/A
405/27/SLS-	0.64	N/A	N/A	N/A	N/A	N/A
405/27/SLS:CHR+	1.7	N/A	N/A	N/A	N/A	N/A
405/27/SLS:CHR-	0.64	N/A	N/A	N/A	N/A	N/A
405/27/SLS:FRE+	1.38	N/A	N/A	N/A	N/A	N/A
405/27/SLS:FRE-	0.64	N/A	N/A	N/A	N/A	N/A
405/27/SLS:QPR+	1.28	N/A	N/A	N/A	N/A	N/A
405/27/SLS:QPR-	0.64	N/A	N/A	N/A	N/A	N/A
405/27/ACC+	6.16	N/A	N/A	N/A	N/A	N/A
405/27/ACC-	-4.24	N/A	N/A	N/A	N/A	N/A
405/53/ULS+	2.38	N/A	N/A	N/A	N/A	N/A
405/53/ULS-	0.59	N/A	N/A	N/A	N/A	N/A
405/53/SLS+	1.65	N/A	N/A	N/A	N/A	N/A
405/53/SLS-	0.59	N/A	N/A	N/A	N/A	N/A

405/53/SLS:CHR+	1.65	N/A	N/A	N/A	N/A	N/A
405/53/SLS:CHR-	0.59	N/A	N/A	N/A	N/A	N/A
405/53/SLS:FRE+	1.33	N/A	N/A	N/A	N/A	N/A
405/53/SLS:FRE-	0.59	N/A	N/A	N/A	N/A	N/A
405/53/SLS:QPR+	1.22	N/A	N/A	N/A	N/A	N/A
405/53/SLS:QPR-	0.59	N/A	N/A	N/A	N/A	N/A
405/53/ACC+	6.11	N/A	N/A	N/A	N/A	N/A
405/53/ACC-	-4.3	N/A	N/A	N/A	N/A	N/A
406/37/ULS+	0.11	N/A	N/A	N/A	N/A	N/A
406/37/ULS-	0.02	N/A	N/A	N/A	N/A	N/A
406/37/SLS+	0.07	N/A	N/A	N/A	N/A	N/A
406/37/SLS-	0.02	N/A	N/A	N/A	N/A	N/A
406/37/SLS:CHR+	0.07	N/A	N/A	N/A	N/A	N/A
406/37/SLS:CHR-	0.02	N/A	N/A	N/A	N/A	N/A
406/37/SLS:FRE+	0.06	N/A	N/A	N/A	N/A	N/A
406/37/SLS:FRE-	0.02	N/A	N/A	N/A	N/A	N/A
406/37/SLS:QPR+	0.05	N/A	N/A	N/A	N/A	N/A
406/37/SLS:QPR-	0.02	N/A	N/A	N/A	N/A	N/A
406/37/ACC+	4.58	N/A	N/A	N/A	N/A	N/A
406/37/ACC-	-4.5	N/A	N/A	N/A	N/A	N/A
406/52/ULS+	0.18	N/A	N/A	N/A	N/A	N/A
406/52/ULS-	0.08	N/A	N/A	N/A	N/A	N/A
406/52/SLS+	0.13	N/A	N/A	N/A	N/A	N/A
406/52/SLS-	0.08	N/A	N/A	N/A	N/A	N/A
406/52/SLS:CHR+	0.13	N/A	N/A	N/A	N/A	N/A
406/52/SLS:CHR-	0.08	N/A	N/A	N/A	N/A	N/A
406/52/SLS:FRE+	0.11	N/A	N/A	N/A	N/A	N/A
406/52/SLS:FRE-	0.08	N/A	N/A	N/A	N/A	N/A
406/52/SLS:QPR+	0.11	N/A	N/A	N/A	N/A	N/A
406/52/SLS:QPR-	0.08	N/A	N/A	N/A	N/A	N/A
406/52/ACC+	4.63	N/A	N/A	N/A	N/A	N/A
406/52/ACC-	-4.45	N/A	N/A	N/A	N/A	N/A
407/90/ULS+	-0.17	N/A	N/A	N/A	N/A	N/A
407/90/ULS-	-0.81	N/A	N/A	N/A	N/A	N/A
407/90/SLS+	-0.17	N/A	N/A	N/A	N/A	N/A
407/90/SLS-	-0.56	N/A	N/A	N/A	N/A	N/A
407/90/SLS:CHR+	-0.17	N/A	N/A	N/A	N/A	N/A
407/90/SLS:CHR-	-0.56	N/A	N/A	N/A	N/A	N/A
407/90/SLS:FRE+	-0.17	N/A	N/A	N/A	N/A	N/A
407/90/SLS:FRE-	-0.44	N/A	N/A	N/A	N/A	N/A
407/90/SLS:QPR+	-0.17	N/A	N/A	N/A	N/A	N/A
407/90/SLS:QPR-	-0.4	N/A	N/A	N/A	N/A	N/A
407/90/ACC+	4.36	N/A	N/A	N/A	N/A	N/A
407/90/ACC-	-4.94	N/A	N/A	N/A	N/A	N/A

407/38/ULS+	-0.23	N/A	N/A	N/A	N/A	N/A
407/38/ULS-	-0.88	N/A	N/A	N/A	N/A	N/A
407/38/SLS+	-0.23	N/A	N/A	N/A	N/A	N/A
407/38/SLS-	-0.61	N/A	N/A	N/A	N/A	N/A
407/38/SLS:CHR+	-0.23	N/A	N/A	N/A	N/A	N/A
407/38/SLS:CHR-	-0.61	N/A	N/A	N/A	N/A	N/A
407/38/SLS:FRE+	-0.23	N/A	N/A	N/A	N/A	N/A
407/38/SLS:FRE-	-0.49	N/A	N/A	N/A	N/A	N/A
407/38/SLS:QPR+	-0.23	N/A	N/A	N/A	N/A	N/A
407/38/SLS:QPR-	-0.45	N/A	N/A	N/A	N/A	N/A
407/38/ACC+	4.31	N/A	N/A	N/A	N/A	N/A
407/38/ACC-	-4.99	N/A	N/A	N/A	N/A	N/A
408/91/ULS+	1.53	N/A	N/A	N/A	N/A	N/A
408/91/ULS-	0.37	N/A	N/A	N/A	N/A	N/A
408/91/SLS+	1.05	N/A	N/A	N/A	N/A	N/A
408/91/SLS-	0.37	N/A	N/A	N/A	N/A	N/A
408/91/SLS:CHR+	1.05	N/A	N/A	N/A	N/A	N/A
408/91/SLS:CHR-	0.37	N/A	N/A	N/A	N/A	N/A
408/91/SLS:FRE+	0.85	N/A	N/A	N/A	N/A	N/A
408/91/SLS:FRE-	0.37	N/A	N/A	N/A	N/A	N/A
408/91/SLS:QPR+	0.78	N/A	N/A	N/A	N/A	N/A
408/91/SLS:QPR-	0.37	N/A	N/A	N/A	N/A	N/A
408/91/ACC+	5.51	N/A	N/A	N/A	N/A	N/A
408/91/ACC-	-4.37	N/A	N/A	N/A	N/A	N/A
408/29/ULS+	1.6	N/A	N/A	N/A	N/A	N/A
408/29/ULS-	0.42	N/A	N/A	N/A	N/A	N/A
408/29/SLS+	1.11	N/A	N/A	N/A	N/A	N/A
408/29/SLS-	0.42	N/A	N/A	N/A	N/A	N/A
408/29/SLS:CHR+	1.11	N/A	N/A	N/A	N/A	N/A
408/29/SLS:CHR-	0.42	N/A	N/A	N/A	N/A	N/A
408/29/SLS:FRE+	0.9	N/A	N/A	N/A	N/A	N/A
408/29/SLS:FRE-	0.42	N/A	N/A	N/A	N/A	N/A
408/29/SLS:QPR+	0.83	N/A	N/A	N/A	N/A	N/A
408/29/SLS:QPR-	0.42	N/A	N/A	N/A	N/A	N/A
408/29/ACC+	5.56	N/A	N/A	N/A	N/A	N/A
408/29/ACC-	-4.32	N/A	N/A	N/A	N/A	N/A
409/290/ULS+	0	-0.1	0.59	0	-0.01	-0.03
409/290/ULS-	-0.01	-0.36	0.19	-0.01	-0.02	-0.11
409/290/SLS+	0	-0.1	0.41	0	-0.01	-0.03
409/290/SLS-	-0.01	-0.25	0.19	-0.01	-0.02	-0.08
409/290/SLS:CHR+	0	-0.1	0.41	0	-0.01	-0.03
409/290/SLS:CHR-	-0.01	-0.25	0.19	-0.01	-0.02	-0.08
409/290/SLS:FRE+	0	-0.1	0.34	0	-0.01	-0.03
409/290/SLS:FRE-	-0.01	-0.2	0.19	-0.01	-0.01	-0.07

409/290/SLS:QPR+	0	-0.1	0.32	0	-0.01	-0.03
409/290/SLS:QPR-	-0.01	-0.19	0.19	-0.01	-0.01	-0.06
409/290/ACC+	1.62	0.62	0.59	0.02	0.16	0.2
409/290/ACC-	-1.63	-0.91	-0.08	-0.03	-0.19	-0.29
409/289/ULS+	0.39	-0.18	-0.31	-0.03	-0.03	0.16
409/289/ULS-	0.11	-0.64	-1.06	-0.13	-0.11	0.04
409/289/SLS+	0.27	-0.18	-0.31	-0.03	-0.03	0.11
409/289/SLS-	0.11	-0.44	-0.74	-0.09	-0.08	0.04
409/289/SLS:CHR+	0.27	-0.18	-0.31	-0.03	-0.03	0.11
409/289/SLS:CHR-	0.11	-0.44	-0.74	-0.09	-0.08	0.04
409/289/SLS:FRE+	0.22	-0.18	-0.31	-0.03	-0.03	0.09
409/289/SLS:FRE-	0.11	-0.36	-0.61	-0.07	-0.06	0.04
409/289/SLS:QPR+	0.2	-0.18	-0.31	-0.03	-0.03	0.09
409/289/SLS:QPR-	0.11	-0.34	-0.57	-0.07	-0.06	0.04
409/289/ACC+	1.67	0.89	-0.2	0.02	0.02	0.58
409/289/ACC-	-1.36	-1.4	-0.68	-0.12	-0.11	-0.45
410/294/ULS+	-0.05	0.45	0.35	0.03	0.06	0.17
410/294/ULS-	-0.19	0.12	0.13	0.01	0.01	0.05
410/294/SLS+	-0.05	0.31	0.25	0.02	0.04	0.12
410/294/SLS-	-0.13	0.12	0.13	0.01	0.01	0.05
410/294/SLS:CHR+	-0.05	0.31	0.25	0.02	0.04	0.12
410/294/SLS:CHR-	-0.13	0.12	0.13	0.01	0.01	0.05
410/294/SLS:FRE+	-0.05	0.26	0.21	0.02	0.03	0.1
410/294/SLS:FRE-	-0.11	0.12	0.13	0.01	0.01	0.05
410/294/SLS:QPR+	-0.05	0.24	0.2	0.01	0.03	0.09
410/294/SLS:QPR-	-0.1	0.12	0.13	0.01	0.01	0.05
410/294/ACC+	0.85	0.63	0.34	0.06	0.11	0.21
410/294/ACC-	-1	-0.27	-0.02	-0.03	-0.07	-0.07
410/34/ULS+	0.24	0.75	-0.28	-0.01	-0.02	-0.06
410/34/ULS-	0.06	0.2	-0.97	-0.04	-0.08	-0.21
410/34/SLS+	0.16	0.52	-0.28	-0.01	-0.02	-0.06
410/34/SLS-	0.06	0.2	-0.68	-0.03	-0.06	-0.14
410/34/SLS:CHR+	0.16	0.52	-0.28	-0.01	-0.02	-0.06
410/34/SLS:CHR-	0.06	0.2	-0.68	-0.03	-0.06	-0.14
410/34/SLS:FRE+	0.13	0.42	-0.28	-0.01	-0.02	-0.06
410/34/SLS:FRE-	0.06	0.2	-0.56	-0.02	-0.05	-0.12
410/34/SLS:QPR+	0.12	0.39	-0.28	-0.01	-0.02	-0.06
410/34/SLS:QPR-	0.06	0.2	-0.52	-0.02	-0.04	-0.11
410/34/ACC+	1.09	1	-0.19	0.05	0.01	0.13
410/34/ACC-	-0.91	-0.4	-0.61	-0.09	-0.07	-0.29
411/289/ULS+	3.49	0.16	0.02	0.01	0	0.1
411/289/ULS-	0.93	0.04	0.02	0	0	0.03
411/289/SLS+	2.42	0.11	0.02	0	0	0.07
411/289/SLS-	0.93	0.04	0.02	0	0	0.03

411/289/SLS:CHR+	2.42	0.11	0.02	0	0	0.07
411/289/SLS:CHR-	0.93	0.04	0.02	0	0	0.03
411/289/SLS:FRE+	1.97	0.09	0.02	0	0	0.06
411/289/SLS:FRE-	0.93	0.04	0.02	0	0	0.03
411/289/SLS:QPR+	1.82	0.09	0.02	0	0	0.05
411/289/SLS:QPR-	0.93	0.04	0.02	0	0	0.03
411/289/ACC+	2.12	0.21	0.02	0.04	0	0.13
411/289/ACC-	0.63	-0.08	0.02	-0.03	0	-0.05
411/306/ULS+	3.53	0.16	-0.01	0.01	0	0
411/306/ULS-	0.96	0.04	-0.02	0	0	0
411/306/SLS+	2.45	0.11	-0.01	0	0	0
411/306/SLS-	0.96	0.04	-0.01	0	0	0
411/306/SLS:CHR+	2.45	0.11	-0.01	0	0	0
411/306/SLS:CHR-	0.96	0.04	-0.01	0	0	0
411/306/SLS:FRE+	2	0.09	-0.01	0	0	0
411/306/SLS:FRE-	0.96	0.04	-0.01	0	0	0
411/306/SLS:QPR+	1.85	0.09	-0.01	0	0	0
411/306/SLS:QPR-	0.96	0.04	-0.01	0	0	0
411/306/ACC+	2.14	0.21	-0.01	0.04	0	0
411/306/ACC-	0.66	-0.08	-0.01	-0.03	0	0
412/34/ULS+	5.57	-0.02	0.04	0	0.03	-0.02
412/34/ULS-	1.47	-0.07	0	-0.01	0	-0.08
412/34/SLS+	3.86	-0.02	0.03	0	0.02	-0.02
412/34/SLS-	1.47	-0.05	0.01	-0.01	0	-0.06
412/34/SLS:CHR+	3.86	-0.02	0.03	0	0.02	-0.02
412/34/SLS:CHR-	1.47	-0.05	0.01	-0.01	0	-0.06
412/34/SLS:FRE+	3.14	-0.02	0.03	0	0.02	-0.02
412/34/SLS:FRE-	1.47	-0.04	0.01	0	0	-0.05
412/34/SLS:QPR+	2.91	-0.02	0.03	0	0.02	-0.02
412/34/SLS:QPR-	1.47	-0.04	0.02	0	0	-0.04
412/34/ACC+	3.22	0.04	0.03	0.02	0.02	0.04
412/34/ACC-	1.16	-0.1	0.01	-0.03	0	-0.11
412/307/ULS+	5.63	-0.02	-0.03	0	0	0
412/307/ULS-	1.52	-0.07	-0.07	-0.01	0	0
412/307/SLS+	3.91	-0.02	-0.03	0	0	0
412/307/SLS-	1.52	-0.05	-0.05	-0.01	0	0
412/307/SLS:CHR+	3.91	-0.02	-0.03	0	0	0
412/307/SLS:CHR-	1.52	-0.05	-0.05	-0.01	0	0
412/307/SLS:FRE+	3.19	-0.02	-0.03	0	0	0
412/307/SLS:FRE-	1.52	-0.04	-0.05	0	0	0
412/307/SLS:QPR+	2.95	-0.02	-0.03	0	0	0
412/307/SLS:QPR-	1.52	-0.04	-0.04	0	0	0
412/307/ACC+	3.27	0.04	-0.03	0.02	0	0
412/307/ACC-	1.2	-0.1	-0.05	-0.03	0	0

413/308/ULS+	3.5	-0.24	-0.31	0	0.17	-0.04
413/308/ULS-	0.99	-0.95	-1.17	0	0.04	-0.16
413/308/SLS+	2.43	-0.24	-0.31	0	0.12	-0.04
413/308/SLS-	0.99	-0.66	-0.81	0	0.04	-0.11
413/308/SLS:CHR+	2.43	-0.24	-0.31	0	0.12	-0.04
413/308/SLS:CHR-	0.99	-0.66	-0.81	0	0.04	-0.11
413/308/SLS:FRE+	2	-0.24	-0.31	0	0.09	-0.04
413/308/SLS:FRE-	0.99	-0.53	-0.66	0	0.04	-0.09
413/308/SLS:QPR+	1.85	-0.24	-0.31	0	0.09	-0.04
413/308/SLS:QPR-	0.99	-0.49	-0.61	0	0.04	-0.08
413/308/ACC+	2.49	1.48	0.52	0	0.36	0.5
413/308/ACC-	0.36	-2.21	-1.44	0	-0.23	-0.63
413/309/ULS+	3.4	-0.24	-0.31	0	-0.1	0.27
413/309/ULS-	0.91	-0.95	-1.17	0	-0.36	0.07
413/309/SLS+	2.36	-0.24	-0.31	0	-0.1	0.19
413/309/SLS-	0.91	-0.66	-0.81	0	-0.25	0.07
413/309/SLS:CHR+	2.36	-0.24	-0.31	0	-0.1	0.19
413/309/SLS:CHR-	0.91	-0.66	-0.81	0	-0.25	0.07
413/309/SLS:FRE+	1.93	-0.24	-0.31	0	-0.1	0.15
413/309/SLS:FRE-	0.91	-0.53	-0.66	0	-0.2	0.07
413/309/SLS:QPR+	1.78	-0.24	-0.31	0	-0.1	0.14
413/309/SLS:QPR-	0.91	-0.49	-0.61	0	-0.19	0.07
413/309/ACC+	2.41	1.48	0.52	0	0	0.37
413/309/ACC-	0.28	-2.21	-1.44	0	-0.29	-0.16
414/310/ULS+	5.83	-0.22	0.08	0	0	-0.06
414/310/ULS-	1.66	-0.85	0.02	0	-0.01	-0.22
414/310/SLS+	4.05	-0.22	0.06	0	0	-0.06
414/310/SLS-	1.66	-0.59	0.02	0	0	-0.15
414/310/SLS:CHR+	4.05	-0.22	0.06	0	0	-0.06
414/310/SLS:CHR-	1.66	-0.59	0.02	0	0	-0.15
414/310/SLS:FRE+	3.34	-0.22	0.05	0	0	-0.06
414/310/SLS:FRE-	1.66	-0.48	0.02	0	0	-0.12
414/310/SLS:QPR+	3.1	-0.22	0.04	0	0	-0.06
414/310/SLS:QPR-	1.66	-0.44	0.02	0	0	-0.11
414/310/ACC+	4.63	1	1	0	0.29	0.26
414/310/ACC-	0.13	-1.65	-0.94	0	-0.3	-0.43
414/311/ULS+	3.53	-0.05	-0.28	0	-0.09	0.21
414/311/ULS-	0.96	-0.2	-1.03	0	-0.33	0.06
414/311/SLS+	2.45	-0.05	-0.28	0	-0.09	0.15
414/311/SLS-	0.96	-0.14	-0.72	0	-0.23	0.06
414/311/SLS:CHR+	2.45	-0.05	-0.28	0	-0.09	0.15
414/311/SLS:CHR-	0.96	-0.14	-0.72	0	-0.23	0.06
414/311/SLS:FRE+	2	-0.05	-0.28	0	-0.09	0.12
414/311/SLS:FRE-	0.96	-0.11	-0.58	0	-0.19	0.06

414/311/SLS:QPR+	1.85	-0.05	-0.28	0	-0.09	0.11
414/311/SLS:QPR-	0.96	-0.1	-0.54	0	-0.17	0.06
414/311/ACC+	3.25	0.84	0.12	0	-0.08	0.19
414/311/ACC-	-0.44	-1	-0.94	0	-0.18	-0.03
415/312/ULS+	5.78	-0.34	0.17	0	-0.01	-0.07
415/312/ULS-	1.64	-1.34	0.05	0	-0.05	-0.26
415/312/SLS+	4.02	-0.34	0.12	0	-0.01	-0.07
415/312/SLS-	1.64	-0.93	0.05	0	-0.04	-0.18
415/312/SLS:CHR+	4.02	-0.34	0.12	0	-0.01	-0.07
415/312/SLS:CHR-	1.64	-0.93	0.05	0	-0.04	-0.18
415/312/SLS:FRE+	3.3	-0.34	0.1	0	-0.01	-0.07
415/312/SLS:FRE-	1.64	-0.75	0.05	0	-0.03	-0.15
415/312/SLS:QPR+	3.07	-0.34	0.09	0	-0.01	-0.07
415/312/SLS:QPR-	1.64	-0.69	0.05	0	-0.03	-0.14
415/312/ACC+	4.49	1.16	2.74	0	0.68	0.24
415/312/ACC-	0.21	-2.19	-2.61	0	-0.72	-0.44
415/313/ULS+	3.44	-0.08	-0.23	0	-0.08	0.22
415/313/ULS-	0.94	-0.29	-0.88	0	-0.31	0.06
415/313/SLS+	2.39	-0.08	-0.23	0	-0.08	0.15
415/313/SLS-	0.94	-0.2	-0.61	0	-0.21	0.06
415/313/SLS:CHR+	2.39	-0.08	-0.23	0	-0.08	0.15
415/313/SLS:CHR-	0.94	-0.2	-0.61	0	-0.21	0.06
415/313/SLS:FRE+	1.95	-0.08	-0.23	0	-0.08	0.13
415/313/SLS:FRE-	0.94	-0.16	-0.5	0	-0.17	0.06
415/313/SLS:QPR+	1.81	-0.08	-0.23	0	-0.08	0.12
415/313/SLS:QPR-	0.94	-0.15	-0.46	0	-0.16	0.06
415/313/ACC+	3.09	0.46	-0.17	0	0.01	0.17
415/313/ACC-	-0.35	-0.69	-0.53	0	-0.26	0
416/309/ULS+	1.03	-0.17	1.81	0	-0.09	-0.03
416/309/ULS-	0.28	-0.71	0.5	-0.01	-0.35	-0.11
416/309/SLS+	0.72	-0.17	1.26	0	-0.09	-0.03
416/309/SLS-	0.28	-0.49	0.5	0	-0.24	-0.07
416/309/SLS:CHR+	0.72	-0.17	1.26	0	-0.09	-0.03
416/309/SLS:CHR-	0.28	-0.49	0.5	0	-0.24	-0.07
416/309/SLS:FRE+	0.59	-0.17	1.03	0	-0.09	-0.03
416/309/SLS:FRE-	0.28	-0.39	0.5	0	-0.2	-0.06
416/309/SLS:QPR+	0.54	-0.17	0.96	0	-0.09	-0.03
416/309/SLS:QPR-	0.28	-0.36	0.5	0	-0.18	-0.05
416/309/ACC+	0.88	0.7	1.31	0	0.07	0.12
416/309/ACC-	-0.06	-1.23	0.15	0	-0.35	-0.2
416/314/ULS+	1.11	0.65	-0.57	0.02	0	0
416/314/ULS-	0.3	0.16	-2.13	0	0	0
416/314/SLS+	0.77	0.45	-0.57	0.01	0	0
416/314/SLS-	0.3	0.16	-1.48	0	0	0

416/314/SLS:CHR+	0.77	0.45	-0.57	0.01	0	0
416/314/SLS:CHR-	0.3	0.16	-1.48	0	0	0
416/314/SLS:FRE+	0.63	0.37	-0.57	0.01	0	0
416/314/SLS:FRE-	0.3	0.16	-1.21	0	0	0
416/314/SLS:QPR+	0.58	0.34	-0.57	0.01	0	0
416/314/SLS:QPR-	0.3	0.16	-1.11	0	0	0
416/314/ACC+	1.94	2.45	-0.18	0.01	0	0
416/314/ACC-	-1.06	-1.95	-1.51	0	0	0
417/311/ULS+	0.92	-0.16	1.78	0	-0.09	-0.02
417/311/ULS-	0.25	-0.68	0.49	-0.01	-0.32	-0.09
417/311/SLS+	0.64	-0.16	1.24	0	-0.09	-0.02
417/311/SLS-	0.25	-0.47	0.49	0	-0.22	-0.06
417/311/SLS:CHR+	0.64	-0.16	1.24	0	-0.09	-0.02
417/311/SLS:CHR-	0.25	-0.47	0.49	0	-0.22	-0.06
417/311/SLS:FRE+	0.52	-0.16	1.02	0	-0.09	-0.02
417/311/SLS:FRE-	0.25	-0.38	0.49	0	-0.18	-0.05
417/311/SLS:QPR+	0.48	-0.16	0.94	0	-0.09	-0.02
417/311/SLS:QPR-	0.25	-0.35	0.49	0	-0.17	-0.05
417/311/ACC+	1.45	0.8	1.2	0	-0.01	0.17
417/311/ACC-	-0.72	-1.31	0.23	0	-0.25	-0.24
417/315/ULS+	1.05	1.05	-0.59	0.02	0	0
417/315/ULS-	0.28	0.26	-2.2	0	0	0
417/315/SLS+	0.73	0.73	-0.59	0.01	0	0
417/315/SLS-	0.28	0.26	-1.52	0	0	0
417/315/SLS:CHR+	0.73	0.73	-0.59	0.01	0	0
417/315/SLS:CHR-	0.28	0.26	-1.52	0	0	0
417/315/SLS:FRE+	0.6	0.59	-0.59	0.01	0	0
417/315/SLS:FRE-	0.28	0.26	-1.24	0	0	0
417/315/SLS:QPR+	0.55	0.54	-0.59	0.01	0	0
417/315/SLS:QPR-	0.28	0.26	-1.15	0	0	0
417/315/ACC+	3.24	2.58	-0.29	0.01	0	0
417/315/ACC-	-2.41	-1.77	-1.46	0	0	0
418/313/ULS+	0.79	-0.14	1.74	0	-0.08	-0.02
418/313/ULS-	0.21	-0.56	0.48	-0.01	-0.29	-0.08
418/313/SLS+	0.55	-0.14	1.21	0	-0.08	-0.02
418/313/SLS-	0.21	-0.39	0.48	0	-0.2	-0.05
418/313/SLS:CHR+	0.55	-0.14	1.21	0	-0.08	-0.02
418/313/SLS:CHR-	0.21	-0.39	0.48	0	-0.2	-0.05
418/313/SLS:FRE+	0.45	-0.14	0.99	0	-0.08	-0.02
418/313/SLS:FRE-	0.21	-0.31	0.48	0	-0.16	-0.04
418/313/SLS:QPR+	0.41	-0.14	0.92	0	-0.08	-0.02
418/313/SLS:QPR-	0.21	-0.29	0.48	0	-0.15	-0.04
418/313/ACC+	1.24	1.12	1.35	0	0.15	0.31
418/313/ACC-	-0.61	-1.54	0.05	0	-0.38	-0.37

418/316/ULS+	0.85	0.02	-0.57	0.02	0	0
418/316/ULS-	0.23	0.01	-2.12	0.01	0	0
418/316/SLS+	0.59	0.02	-0.57	0.01	0	0
418/316/SLS-	0.23	0.01	-1.47	0.01	0	0
418/316/SLS:CHR+	0.59	0.02	-0.57	0.01	0	0
418/316/SLS:CHR-	0.23	0.01	-1.47	0.01	0	0
418/316/SLS:FRE+	0.48	0.01	-0.57	0.01	0	0
418/316/SLS:FRE-	0.23	0.01	-1.2	0.01	0	0
418/316/SLS:QPR+	0.44	0.01	-0.57	0.01	0	0
418/316/SLS:QPR-	0.23	0.01	-1.11	0.01	0	0
418/316/ACC+	3.11	1.83	-0.16	0.01	0	0
418/316/ACC-	-2.44	-1.81	-1.53	0	0	0
419/309/ULS+	0.25	0.13	1.59	0.02	-0.07	0.11
419/309/ULS-	0.07	0.03	0.41	0	-0.28	0.03
419/309/SLS+	0.17	0.09	1.1	0.01	-0.07	0.07
419/309/SLS-	0.07	0.03	0.41	0	-0.2	0.03
419/309/SLS:CHR+	0.17	0.09	1.1	0.01	-0.07	0.07
419/309/SLS:CHR-	0.07	0.03	0.41	0	-0.2	0.03
419/309/SLS:FRE+	0.14	0.07	0.89	0.01	-0.07	0.06
419/309/SLS:FRE-	0.07	0.03	0.41	0	-0.16	0.03
419/309/SLS:QPR+	0.13	0.07	0.82	0.01	-0.07	0.05
419/309/SLS:QPR-	0.07	0.03	0.41	0	-0.15	0.03
419/309/ACC+	1.18	0.64	1.27	0.03	0.23	0.2
419/309/ACC-	-0.98	-0.54	-0.03	-0.01	-0.45	-0.12
419/40/ULS+	0.25	0.13	-0.49	0.02	-0.12	-0.02
419/40/ULS-	0.07	0.03	-1.87	0	-0.48	-0.07
419/40/SLS+	0.17	0.09	-0.49	0.01	-0.12	-0.02
419/40/SLS-	0.07	0.03	-1.3	0	-0.33	-0.05
419/40/SLS:CHR+	0.17	0.09	-0.49	0.01	-0.12	-0.02
419/40/SLS:CHR-	0.07	0.03	-1.3	0	-0.33	-0.05
419/40/SLS:FRE+	0.14	0.07	-0.49	0.01	-0.12	-0.02
419/40/SLS:FRE-	0.07	0.03	-1.06	0	-0.27	-0.04
419/40/SLS:QPR+	0.13	0.07	-0.49	0.01	-0.12	-0.02
419/40/SLS:QPR-	0.07	0.03	-0.97	0	-0.25	-0.04
419/40/ACC+	0.5	0.62	-0.04	0.03	0.16	0.12
419/40/ACC-	-0.29	-0.52	-1.42	-0.01	-0.54	-0.17
420/318/ULS+	0.05	-0.02	1.5	-0.01	-0.01	-0.02
420/318/ULS-	0.02	-0.09	0.38	-0.04	-0.02	-0.07
420/318/SLS+	0.04	-0.02	1.04	-0.01	-0.01	-0.02
420/318/SLS-	0.02	-0.06	0.38	-0.03	-0.01	-0.05
420/318/SLS:CHR+	0.04	-0.02	1.04	-0.01	-0.01	-0.02
420/318/SLS:CHR-	0.02	-0.06	0.38	-0.03	-0.01	-0.05
420/318/SLS:FRE+	0.03	-0.02	0.84	-0.01	-0.01	-0.02
420/318/SLS:FRE-	0.02	-0.05	0.38	-0.02	-0.01	-0.04

420/318/SLS:QPR+	0.03	-0.02	0.77	-0.01	-0.01	-0.02
420/318/SLS:QPR-	0.02	-0.05	0.38	-0.02	-0.01	-0.04
420/318/ACC+	1.17	0.74	0.91	0	0.09	0.27
420/318/ACC-	-1.12	-0.81	0.25	-0.03	-0.11	-0.32
420/263/ULS+	0.05	-0.02	-0.68	-0.01	-0.21	0.05
420/263/ULS-	0.02	-0.09	-2.69	-0.04	-0.81	0.01
420/263/SLS+	0.04	-0.02	-0.68	-0.01	-0.21	0.03
420/263/SLS-	0.02	-0.06	-1.86	-0.03	-0.56	0.01
420/263/SLS:CHR+	0.04	-0.02	-0.68	-0.01	-0.21	0.03
420/263/SLS:CHR-	0.02	-0.06	-1.86	-0.03	-0.56	0.01
420/263/SLS:FRE+	0.03	-0.02	-0.68	-0.01	-0.21	0.03
420/263/SLS:FRE-	0.02	-0.05	-1.51	-0.02	-0.45	0.01
420/263/SLS:QPR+	0.03	-0.02	-0.68	-0.01	-0.21	0.02
420/263/SLS:QPR-	0.02	-0.05	-1.39	-0.02	-0.42	0.01
420/263/ACC+	0.22	0.71	-0.55	0	-0.13	0.3
420/263/ACC-	-0.17	-0.78	-1.53	-0.03	-0.5	-0.26
421/319/ULS+	0.44	-0.03	1.54	-0.01	-0.01	-0.03
421/319/ULS-	0.12	-0.14	0.39	-0.04	-0.05	-0.11
421/319/SLS+	0.31	-0.03	1.06	-0.01	-0.01	-0.03
421/319/SLS-	0.12	-0.09	0.39	-0.03	-0.04	-0.07
421/319/SLS:CHR+	0.31	-0.03	1.06	-0.01	-0.01	-0.03
421/319/SLS:CHR-	0.12	-0.09	0.39	-0.03	-0.04	-0.07
421/319/SLS:FRE+	0.25	-0.03	0.86	-0.01	-0.01	-0.03
421/319/SLS:FRE-	0.12	-0.08	0.39	-0.02	-0.03	-0.06
421/319/SLS:QPR+	0.23	-0.03	0.8	-0.01	-0.01	-0.03
421/319/SLS:QPR-	0.12	-0.07	0.39	-0.02	-0.03	-0.05
421/319/ACC+	1.32	0.78	0.93	0	0.08	0.24
421/319/ACC-	-0.97	-0.88	0.26	-0.03	-0.12	-0.32
421/268/ULS+	0.44	-0.03	-0.67	-0.01	-0.2	0.07
421/268/ULS-	0.12	-0.14	-2.65	-0.04	-0.79	0.02
421/268/SLS+	0.31	-0.03	-0.67	-0.01	-0.2	0.05
421/268/SLS-	0.12	-0.09	-1.83	-0.03	-0.55	0.02
421/268/SLS:CHR+	0.31	-0.03	-0.67	-0.01	-0.2	0.05
421/268/SLS:CHR-	0.12	-0.09	-1.83	-0.03	-0.55	0.02
421/268/SLS:FRE+	0.25	-0.03	-0.67	-0.01	-0.2	0.04
421/268/SLS:FRE-	0.12	-0.08	-1.48	-0.02	-0.44	0.02
421/268/SLS:QPR+	0.23	-0.03	-0.67	-0.01	-0.2	0.04
421/268/SLS:QPR-	0.12	-0.07	-1.37	-0.02	-0.41	0.02
421/268/ACC+	0.44	0.62	-0.54	0	-0.12	0.27
421/268/ACC-	-0.09	-0.72	-1.5	-0.03	-0.49	-0.21
422/317/ULS+	-0.14	-0.01	1.43	-0.01	0.04	-0.01
422/317/ULS-	-0.6	-0.06	0.37	-0.04	0.01	-0.05
422/317/SLS+	-0.14	-0.01	0.99	-0.01	0.03	-0.01
422/317/SLS-	-0.41	-0.04	0.37	-0.03	0.01	-0.03

422/317/SLS:CHR+	-0.14	-0.01	0.99	-0.01	0.03	-0.01
422/317/SLS:CHR-	-0.41	-0.04	0.37	-0.03	0.01	-0.03
422/317/SLS:FRE+	-0.14	-0.01	0.8	-0.01	0.02	-0.01
422/317/SLS:FRE-	-0.33	-0.03	0.37	-0.02	0.01	-0.03
422/317/SLS:QPR+	-0.14	-0.01	0.74	-0.01	0.02	-0.01
422/317/SLS:QPR-	-0.3	-0.03	0.37	-0.02	0.01	-0.02
422/317/ACC+	0.97	0.91	0.88	0.02	0.12	0.33
422/317/ACC-	-1.42	-0.96	0.23	-0.05	-0.09	-0.36
422/258/ULS+	-0.14	-0.01	-0.7	-0.01	-0.21	0.03
422/258/ULS-	-0.6	-0.06	-2.75	-0.04	-0.84	0.01
422/258/SLS+	-0.14	-0.01	-0.7	-0.01	-0.21	0.02
422/258/SLS-	-0.41	-0.04	-1.91	-0.03	-0.58	0.01
422/258/SLS:CHR+	-0.14	-0.01	-0.7	-0.01	-0.21	0.02
422/258/SLS:CHR-	-0.41	-0.04	-1.91	-0.03	-0.58	0.01
422/258/SLS:FRE+	-0.14	-0.01	-0.7	-0.01	-0.21	0.02
422/258/SLS:FRE-	-0.33	-0.03	-1.54	-0.02	-0.47	0.01
422/258/SLS:QPR+	-0.14	-0.01	-0.7	-0.01	-0.21	0.02
422/258/SLS:QPR-	-0.3	-0.03	-1.42	-0.02	-0.44	0.01
422/258/ACC+	0.21	0.45	-0.56	0.02	-0.13	0.15
422/258/ACC-	-0.65	-0.5	-1.56	-0.05	-0.52	-0.12
423/311/ULS+	-0.02	0.12	1.48	0.02	-0.05	0.09
423/311/ULS-	-0.1	0.03	0.38	0	-0.2	0.02
423/311/SLS+	-0.02	0.08	1.02	0.01	-0.05	0.06
423/311/SLS-	-0.07	0.03	0.38	0	-0.14	0.02
423/311/SLS:CHR+	-0.02	0.08	1.02	0.01	-0.05	0.06
423/311/SLS:CHR-	-0.07	0.03	0.38	0	-0.14	0.02
423/311/SLS:FRE+	-0.02	0.06	0.83	0.01	-0.05	0.05
423/311/SLS:FRE-	-0.06	0.03	0.38	0	-0.11	0.02
423/311/SLS:QPR+	-0.02	0.06	0.77	0.01	-0.05	0.05
423/311/SLS:QPR-	-0.05	0.03	0.38	0	-0.1	0.02
423/311/ACC+	0.5	0.69	0.82	0.03	-0.02	0.24
423/311/ACC-	-0.57	-0.6	0.34	-0.01	-0.14	-0.17
423/42/ULS+	-0.02	0.12	-0.52	0.02	-0.14	-0.02
423/42/ULS-	-0.1	0.03	-1.98	0	-0.54	-0.06
423/42/SLS+	-0.02	0.08	-0.52	0.01	-0.14	-0.02
423/42/SLS-	-0.07	0.03	-1.37	0	-0.37	-0.04
423/42/SLS:CHR+	-0.02	0.08	-0.52	0.01	-0.14	-0.02
423/42/SLS:CHR-	-0.07	0.03	-1.37	0	-0.37	-0.04
423/42/SLS:FRE+	-0.02	0.06	-0.52	0.01	-0.14	-0.02
423/42/SLS:FRE-	-0.06	0.03	-1.12	0	-0.3	-0.03
423/42/SLS:QPR+	-0.02	0.06	-0.52	0.01	-0.14	-0.02
423/42/SLS:QPR-	-0.05	0.03	-1.03	0	-0.28	-0.03
423/42/ACC+	0.64	0.58	-0.47	0.03	-0.11	0.12
423/42/ACC-	-0.71	-0.49	-1.08	-0.01	-0.31	-0.17

424/313/ULS+	0.05	0.09	1.5	0.03	-0.06	0.08
424/313/ULS-	0.02	0.02	0.39	0.01	-0.22	0.02
424/313/SLS+	0.04	0.06	1.04	0.02	-0.06	0.05
424/313/SLS-	0.02	0.02	0.39	0.01	-0.15	0.02
424/313/SLS:CHR+	0.04	0.06	1.04	0.02	-0.06	0.05
424/313/SLS:CHR-	0.02	0.02	0.39	0.01	-0.15	0.02
424/313/SLS:FRE+	0.03	0.05	0.85	0.01	-0.06	0.04
424/313/SLS:FRE-	0.02	0.02	0.39	0.01	-0.12	0.02
424/313/SLS:QPR+	0.03	0.05	0.78	0.01	-0.06	0.04
424/313/SLS:QPR-	0.02	0.02	0.39	0.01	-0.12	0.02
424/313/ACC+	0.68	0.87	0.83	0.07	-0.03	0.37
424/313/ACC-	-0.63	-0.8	0.35	-0.05	-0.14	-0.31
424/44/ULS+	0.05	0.09	-0.51	0.03	-0.14	-0.01
424/44/ULS-	0.02	0.02	-1.96	0.01	-0.52	-0.05
424/44/SLS+	0.04	0.06	-0.51	0.02	-0.14	-0.01
424/44/SLS-	0.02	0.02	-1.35	0.01	-0.36	-0.03
424/44/SLS:CHR+	0.04	0.06	-0.51	0.02	-0.14	-0.01
424/44/SLS:CHR-	0.02	0.02	-1.35	0.01	-0.36	-0.03
424/44/SLS:FRE+	0.03	0.05	-0.51	0.01	-0.14	-0.01
424/44/SLS:FRE-	0.02	0.02	-1.1	0.01	-0.29	-0.03
424/44/SLS:QPR+	0.03	0.05	-0.51	0.01	-0.14	-0.01
424/44/SLS:QPR-	0.02	0.02	-1.02	0.01	-0.27	-0.02
424/44/ACC+	0.63	0.43	-0.46	0.07	-0.11	0.17
424/44/ACC-	-0.59	-0.36	-1.06	-0.05	-0.3	-0.2
425/310/ULS+	1.22	N/A	N/A	N/A	N/A	N/A
425/310/ULS-	0.32	N/A	N/A	N/A	N/A	N/A
425/310/SLS+	0.84	N/A	N/A	N/A	N/A	N/A
425/310/SLS-	0.32	N/A	N/A	N/A	N/A	N/A
425/310/SLS:CHR+	0.84	N/A	N/A	N/A	N/A	N/A
425/310/SLS:CHR-	0.32	N/A	N/A	N/A	N/A	N/A
425/310/SLS:FRE+	0.69	N/A	N/A	N/A	N/A	N/A
425/310/SLS:FRE-	0.32	N/A	N/A	N/A	N/A	N/A
425/310/SLS:QPR+	0.64	N/A	N/A	N/A	N/A	N/A
425/310/SLS:QPR-	0.32	N/A	N/A	N/A	N/A	N/A
425/310/ACC+	3.08	N/A	N/A	N/A	N/A	N/A
425/310/ACC-	-2.12	N/A	N/A	N/A	N/A	N/A
425/42/ULS+	1.18	N/A	N/A	N/A	N/A	N/A
425/42/ULS-	0.29	N/A	N/A	N/A	N/A	N/A
425/42/SLS+	0.82	N/A	N/A	N/A	N/A	N/A
425/42/SLS-	0.29	N/A	N/A	N/A	N/A	N/A
425/42/SLS:CHR+	0.82	N/A	N/A	N/A	N/A	N/A
425/42/SLS:CHR-	0.29	N/A	N/A	N/A	N/A	N/A
425/42/SLS:FRE+	0.66	N/A	N/A	N/A	N/A	N/A
425/42/SLS:FRE-	0.29	N/A	N/A	N/A	N/A	N/A

425/42/SLS:QPR+	0.61	N/A	N/A	N/A	N/A	N/A
425/42/SLS:QPR-	0.29	N/A	N/A	N/A	N/A	N/A
425/42/ACC+	3.05	N/A	N/A	N/A	N/A	N/A
425/42/ACC-	-2.15	N/A	N/A	N/A	N/A	N/A
426/41/ULS+	-0.09	N/A	N/A	N/A	N/A	N/A
426/41/ULS-	-0.42	N/A	N/A	N/A	N/A	N/A
426/41/SLS+	-0.09	N/A	N/A	N/A	N/A	N/A
426/41/SLS-	-0.29	N/A	N/A	N/A	N/A	N/A
426/41/SLS:CHR+	-0.09	N/A	N/A	N/A	N/A	N/A
426/41/SLS:CHR-	-0.29	N/A	N/A	N/A	N/A	N/A
426/41/SLS:FRE+	-0.09	N/A	N/A	N/A	N/A	N/A
426/41/SLS:FRE-	-0.23	N/A	N/A	N/A	N/A	N/A
426/41/SLS:QPR+	-0.09	N/A	N/A	N/A	N/A	N/A
426/41/SLS:QPR-	-0.21	N/A	N/A	N/A	N/A	N/A
426/41/ACC+	2.35	N/A	N/A	N/A	N/A	N/A
426/41/ACC-	-2.65	N/A	N/A	N/A	N/A	N/A
426/311/ULS+	-0.12	N/A	N/A	N/A	N/A	N/A
426/311/ULS-	-0.46	N/A	N/A	N/A	N/A	N/A
426/311/SLS+	-0.12	N/A	N/A	N/A	N/A	N/A
426/311/SLS-	-0.32	N/A	N/A	N/A	N/A	N/A
426/311/SLS:CHR+	-0.12	N/A	N/A	N/A	N/A	N/A
426/311/SLS:CHR-	-0.32	N/A	N/A	N/A	N/A	N/A
426/311/SLS:FRE+	-0.12	N/A	N/A	N/A	N/A	N/A
426/311/SLS:FRE-	-0.26	N/A	N/A	N/A	N/A	N/A
426/311/SLS:QPR+	-0.12	N/A	N/A	N/A	N/A	N/A
426/311/SLS:QPR-	-0.24	N/A	N/A	N/A	N/A	N/A
426/311/ACC+	2.32	N/A	N/A	N/A	N/A	N/A
426/311/ACC-	-2.68	N/A	N/A	N/A	N/A	N/A
427/312/ULS+	0.89	N/A	N/A	N/A	N/A	N/A
427/312/ULS-	0.24	N/A	N/A	N/A	N/A	N/A
427/312/SLS+	0.62	N/A	N/A	N/A	N/A	N/A
427/312/SLS-	0.24	N/A	N/A	N/A	N/A	N/A
427/312/SLS:CHR+	0.62	N/A	N/A	N/A	N/A	N/A
427/312/SLS:CHR-	0.24	N/A	N/A	N/A	N/A	N/A
427/312/SLS:FRE+	0.5	N/A	N/A	N/A	N/A	N/A
427/312/SLS:FRE-	0.24	N/A	N/A	N/A	N/A	N/A
427/312/SLS:QPR+	0.46	N/A	N/A	N/A	N/A	N/A
427/312/SLS:QPR-	0.24	N/A	N/A	N/A	N/A	N/A
427/312/ACC+	2.78	N/A	N/A	N/A	N/A	N/A
427/312/ACC-	-2.08	N/A	N/A	N/A	N/A	N/A
427/44/ULS+	0.86	N/A	N/A	N/A	N/A	N/A
427/44/ULS-	0.21	N/A	N/A	N/A	N/A	N/A
427/44/SLS+	0.59	N/A	N/A	N/A	N/A	N/A
427/44/SLS-	0.21	N/A	N/A	N/A	N/A	N/A

427/44/SLS:CHR+	0.59	N/A	N/A	N/A	N/A	N/A
427/44/SLS:CHR-	0.21	N/A	N/A	N/A	N/A	N/A
427/44/SLS:FRE+	0.48	N/A	N/A	N/A	N/A	N/A
427/44/SLS:FRE-	0.21	N/A	N/A	N/A	N/A	N/A
427/44/SLS:QPR+	0.44	N/A	N/A	N/A	N/A	N/A
427/44/SLS:QPR-	0.21	N/A	N/A	N/A	N/A	N/A
427/44/ACC+	2.76	N/A	N/A	N/A	N/A	N/A
427/44/ACC-	-2.1	N/A	N/A	N/A	N/A	N/A
428/43/ULS+	-0.07	N/A	N/A	N/A	N/A	N/A
428/43/ULS-	-0.35	N/A	N/A	N/A	N/A	N/A
428/43/SLS+	-0.07	N/A	N/A	N/A	N/A	N/A
428/43/SLS-	-0.24	N/A	N/A	N/A	N/A	N/A
428/43/SLS:CHR+	-0.07	N/A	N/A	N/A	N/A	N/A
428/43/SLS:CHR-	-0.24	N/A	N/A	N/A	N/A	N/A
428/43/SLS:FRE+	-0.07	N/A	N/A	N/A	N/A	N/A
428/43/SLS:FRE-	-0.19	N/A	N/A	N/A	N/A	N/A
428/43/SLS:QPR+	-0.07	N/A	N/A	N/A	N/A	N/A
428/43/SLS:QPR-	-0.17	N/A	N/A	N/A	N/A	N/A
428/43/ACC+	2.2	N/A	N/A	N/A	N/A	N/A
428/43/ACC-	-2.45	N/A	N/A	N/A	N/A	N/A
428/313/ULS+	-0.1	N/A	N/A	N/A	N/A	N/A
428/313/ULS-	-0.38	N/A	N/A	N/A	N/A	N/A
428/313/SLS+	-0.1	N/A	N/A	N/A	N/A	N/A
428/313/SLS-	-0.26	N/A	N/A	N/A	N/A	N/A
428/313/SLS:CHR+	-0.1	N/A	N/A	N/A	N/A	N/A
428/313/SLS:CHR-	-0.26	N/A	N/A	N/A	N/A	N/A
428/313/SLS:FRE+	-0.1	N/A	N/A	N/A	N/A	N/A
428/313/SLS:FRE-	-0.21	N/A	N/A	N/A	N/A	N/A
428/313/SLS:QPR+	-0.1	N/A	N/A	N/A	N/A	N/A
428/313/SLS:QPR-	-0.2	N/A	N/A	N/A	N/A	N/A
428/313/ACC+	2.18	N/A	N/A	N/A	N/A	N/A
428/313/ACC-	-2.47	N/A	N/A	N/A	N/A	N/A
429/320/ULS+	1.31	0.01	2.25	0	-0.03	0.01
429/320/ULS-	0.31	0	0.55	0	-0.13	0
429/320/SLS+	0.9	0.01	1.55	0	-0.03	0
429/320/SLS-	0.31	0	0.55	0	-0.09	0
429/320/SLS:CHR+	0.9	0.01	1.55	0	-0.03	0
429/320/SLS:CHR-	0.31	0	0.55	0	-0.09	0
429/320/SLS:FRE+	0.73	0	1.25	0	-0.03	0
429/320/SLS:FRE-	0.31	0	0.55	0	-0.07	0
429/320/SLS:QPR+	0.67	0	1.15	0	-0.03	0
429/320/SLS:QPR-	0.31	0	0.55	0	-0.06	0
429/320/ACC+	2.26	0.95	1.34	0	0.11	0.22
429/320/ACC-	-1.27	-0.94	0.35	0	-0.2	-0.21

429/321/ULS+	1.31	0.01	-0.9	0	-0.26	0
429/321/ULS-	0.31	0	-3.69	0	-1.08	0
429/321/SLS+	0.9	0.01	-0.9	0	-0.26	0
429/321/SLS-	0.31	0	-2.55	0	-0.75	0
429/321/SLS:CHR+	0.9	0.01	-0.9	0	-0.26	0
429/321/SLS:CHR-	0.31	0	-2.55	0	-0.75	0
429/321/SLS:FRE+	0.73	0	-0.9	0	-0.26	0
429/321/SLS:FRE-	0.31	0	-2.05	0	-0.6	0
429/321/SLS:QPR+	0.67	0	-0.9	0	-0.26	0
429/321/SLS:QPR-	0.31	0	-1.89	0	-0.55	0
429/321/ACC+	0.99	0.94	-0.7	0	-0.14	0.21
429/321/ACC-	0	-0.93	-2.08	0	-0.67	-0.21
430/321/ULS+	2.16	0	4.1	0	-0.28	0
430/321/ULS-	0.52	0	0.99	0	-1.17	0
430/321/SLS+	1.49	0	2.83	0	-0.28	0
430/321/SLS-	0.52	0	0.99	0	-0.8	0
430/321/SLS:CHR+	1.49	0	2.83	0	-0.28	0
430/321/SLS:CHR-	0.52	0	0.99	0	-0.8	0
430/321/SLS:FRE+	1.2	0	2.28	0	-0.28	0
430/321/SLS:FRE-	0.52	0	0.99	0	-0.65	0
430/321/SLS:QPR+	1.1	0	2.1	0	-0.28	0
430/321/SLS:QPR-	0.52	0	0.99	0	-0.6	0
430/321/ACC+	3.1	1.32	2.19	0	-0.2	0.42
430/321/ACC-	-1.48	-1.32	0.9	0	-0.68	-0.42
430/322/ULS+	2.16	0	-1.04	0	-0.32	0
430/322/ULS-	0.52	0	-4.27	0	-1.33	0
430/322/SLS+	1.49	0	-1.04	0	-0.32	0
430/322/SLS-	0.52	0	-2.95	0	-0.92	0
430/322/SLS:CHR+	1.49	0	-1.04	0	-0.32	0
430/322/SLS:CHR-	0.52	0	-2.95	0	-0.92	0
430/322/SLS:FRE+	1.2	0	-1.04	0	-0.32	0
430/322/SLS:FRE-	0.52	0	-2.38	0	-0.74	0
430/322/SLS:QPR+	1.1	0	-1.04	0	-0.32	0
430/322/SLS:QPR-	0.52	0	-2.19	0	-0.68	0
430/322/ACC+	1.83	1.31	-0.95	0	-0.23	0.41
430/322/ACC-	-0.21	-1.31	-2.28	0	-0.77	-0.41
431/322/ULS+	2.12	0	4.16	0	-0.32	0
431/322/ULS-	0.51	0	1.01	0	-1.32	0
431/322/SLS+	1.46	0	2.87	0	-0.32	0
431/322/SLS-	0.51	0	1.01	0	-0.91	0
431/322/SLS:CHR+	1.46	0	2.87	0	-0.32	0
431/322/SLS:CHR-	0.51	0	1.01	0	-0.91	0
431/322/SLS:FRE+	1.18	0	2.32	0	-0.32	0
431/322/SLS:FRE-	0.51	0	1.01	0	-0.74	0

431/322/SLS:QPR+	1.08	0	2.13	0	-0.32	0
431/322/SLS:QPR-	0.51	0	1.01	0	-0.68	0
431/322/ACC+	2.53	1.31	2.23	0	-0.23	0.41
431/322/ACC-	-0.93	-1.31	0.91	0	-0.77	-0.41
431/323/ULS+	2.12	0	-1.02	0	-0.33	0
431/323/ULS-	0.51	0	-4.21	0	-1.37	0
431/323/SLS+	1.46	0	-1.02	0	-0.33	0
431/323/SLS-	0.51	0	-2.91	0	-0.95	0
431/323/SLS:CHR+	1.46	0	-1.02	0	-0.33	0
431/323/SLS:CHR-	0.51	0	-2.91	0	-0.95	0
431/323/SLS:FRE+	1.18	0	-1.02	0	-0.33	0
431/323/SLS:FRE-	0.51	0	-2.34	0	-0.76	0
431/323/SLS:QPR+	1.08	0	-1.02	0	-0.33	0
431/323/SLS:QPR-	0.51	0	-2.15	0	-0.7	0
431/323/ACC+	2.36	1.32	-0.93	0	-0.25	0.42
431/323/ACC-	-0.77	-1.32	-2.25	0	-0.79	-0.42
432/323/ULS+	3.08	0	4.56	0	-0.35	0
432/323/ULS-	0.74	-0.01	1.11	0	-1.46	0
432/323/SLS+	2.12	0	3.15	0	-0.35	0
432/323/SLS-	0.74	-0.01	1.11	0	-1.01	0
432/323/SLS:CHR+	2.12	0	3.15	0	-0.35	0
432/323/SLS:CHR-	0.74	-0.01	1.11	0	-1.01	0
432/323/SLS:FRE+	1.71	0	2.54	0	-0.35	0
432/323/SLS:FRE-	0.74	0	1.11	0	-0.81	0
432/323/SLS:QPR+	1.57	0	2.33	0	-0.35	0
432/323/SLS:QPR-	0.74	0	1.11	0	-0.75	0
432/323/ACC+	2.58	1.22	2.47	0	-0.25	0.36
432/323/ACC-	-0.27	-1.23	0.97	0	-0.85	-0.36
432/324/ULS+	3.08	0	-0.78	0	-0.07	0.01
432/324/ULS-	0.74	-0.01	-3.23	0	-0.3	0
432/324/SLS+	2.12	0	-0.78	0	-0.07	0.01
432/324/SLS-	0.74	-0.01	-2.23	0	-0.21	0
432/324/SLS:CHR+	2.12	0	-0.78	0	-0.07	0.01
432/324/SLS:CHR-	0.74	-0.01	-2.23	0	-0.21	0
432/324/SLS:FRE+	1.71	0	-0.78	0	-0.07	0.01
432/324/SLS:FRE-	0.74	0	-1.8	0	-0.17	0
432/324/SLS:QPR+	1.57	0	-0.78	0	-0.07	0
432/324/SLS:QPR-	0.74	0	-1.65	0	-0.15	0
432/324/ACC+	3.07	1.22	-0.65	0	0.06	0.36
432/324/ACC-	-0.76	-1.23	-1.79	0	-0.28	-0.36
433/325/ULS+	1.29	0	2.25	0	-0.03	0
433/325/ULS-	0.31	0	0.55	0	-0.12	0
433/325/SLS+	0.89	0	1.55	0	-0.03	0
433/325/SLS-	0.31	0	0.55	0	-0.09	0

433/325/SLS:CHR+	0.89	0	1.55	0	-0.03	0
433/325/SLS:CHR-	0.31	0	0.55	0	-0.09	0
433/325/SLS:FRE+	0.71	0	1.25	0	-0.03	0
433/325/SLS:FRE-	0.31	0	0.55	0	-0.07	0
433/325/SLS:QPR+	0.66	0	1.15	0	-0.03	0
433/325/SLS:QPR-	0.31	0	0.55	0	-0.06	0
433/325/ACC+	2.21	0.96	1.34	0	0.1	0.22
433/325/ACC-	-1.24	-0.96	0.36	0	-0.2	-0.22
433/326/ULS+	1.29	0	-0.9	0	-0.26	0
433/326/ULS-	0.31	0	-3.69	0	-1.08	0
433/326/SLS+	0.89	0	-0.9	0	-0.26	0
433/326/SLS-	0.31	0	-2.55	0	-0.75	0
433/326/SLS:CHR+	0.89	0	-0.9	0	-0.26	0
433/326/SLS:CHR-	0.31	0	-2.55	0	-0.75	0
433/326/SLS:FRE+	0.71	0	-0.9	0	-0.26	0
433/326/SLS:FRE-	0.31	0	-2.05	0	-0.6	0
433/326/SLS:QPR+	0.66	0	-0.9	0	-0.26	0
433/326/SLS:QPR-	0.31	0	-1.89	0	-0.55	0
433/326/ACC+	1.01	0.91	-0.71	0	-0.15	0.19
433/326/ACC-	-0.04	-0.91	-2.08	0	-0.67	-0.19
434/326/ULS+	2.16	0	4.1	0	-0.28	0
434/326/ULS-	0.52	0	0.99	0	-1.17	0
434/326/SLS+	1.49	0	2.83	0	-0.28	0
434/326/SLS-	0.52	0	0.99	0	-0.81	0
434/326/SLS:CHR+	1.49	0	2.83	0	-0.28	0
434/326/SLS:CHR-	0.52	0	0.99	0	-0.81	0
434/326/SLS:FRE+	1.2	0	2.28	0	-0.28	0
434/326/SLS:FRE-	0.52	0	0.99	0	-0.65	0
434/326/SLS:QPR+	1.1	0	2.1	0	-0.28	0
434/326/SLS:QPR-	0.52	0	0.99	0	-0.6	0
434/326/ACC+	3.08	1.33	2.19	0	-0.2	0.43
434/326/ACC-	-1.46	-1.33	0.9	0	-0.68	-0.43
434/327/ULS+	2.16	0	-1.04	0	-0.32	0
434/327/ULS-	0.52	0	-4.27	0	-1.33	0
434/327/SLS+	1.49	0	-1.04	0	-0.32	0
434/327/SLS-	0.52	0	-2.95	0	-0.92	0
434/327/SLS:CHR+	1.49	0	-1.04	0	-0.32	0
434/327/SLS:CHR-	0.52	0	-2.95	0	-0.92	0
434/327/SLS:FRE+	1.2	0	-1.04	0	-0.32	0
434/327/SLS:FRE-	0.52	0	-2.38	0	-0.74	0
434/327/SLS:QPR+	1.1	0	-1.04	0	-0.32	0
434/327/SLS:QPR-	0.52	0	-2.19	0	-0.68	0
434/327/ACC+	1.84	1.3	-0.94	0	-0.23	0.4
434/327/ACC-	-0.22	-1.3	-2.28	0	-0.77	-0.4

435/327/ULS+	2.11	0	4.16	0	-0.32	0
435/327/ULS-	0.51	0	1.01	0	-1.32	0
435/327/SLS+	1.46	0	2.87	0	-0.32	0
435/327/SLS-	0.51	0	1.01	0	-0.91	0
435/327/SLS:CHR+	1.46	0	2.87	0	-0.32	0
435/327/SLS:CHR-	0.51	0	1.01	0	-0.91	0
435/327/SLS:FRE+	1.17	0	2.31	0	-0.32	0
435/327/SLS:FRE-	0.51	0	1.01	0	-0.74	0
435/327/SLS:QPR+	1.08	0	2.13	0	-0.32	0
435/327/SLS:QPR-	0.51	0	1.01	0	-0.68	0
435/327/ACC+	2.53	1.3	2.23	0	-0.23	0.4
435/327/ACC-	-0.94	-1.3	0.91	0	-0.77	-0.4
435/328/ULS+	2.11	0	-1.02	0	-0.33	0
435/328/ULS-	0.51	0	-4.21	0	-1.37	0
435/328/SLS+	1.46	0	-1.02	0	-0.33	0
435/328/SLS-	0.51	0	-2.91	0	-0.95	0
435/328/SLS:CHR+	1.46	0	-1.02	0	-0.33	0
435/328/SLS:CHR-	0.51	0	-2.91	0	-0.95	0
435/328/SLS:FRE+	1.17	0	-1.02	0	-0.33	0
435/328/SLS:FRE-	0.51	0	-2.34	0	-0.76	0
435/328/SLS:QPR+	1.08	0	-1.02	0	-0.33	0
435/328/SLS:QPR-	0.51	0	-2.15	0	-0.7	0
435/328/ACC+	2.35	1.33	-0.92	0	-0.25	0.42
435/328/ACC-	-0.76	-1.33	-2.25	0	-0.79	-0.43
436/328/ULS+	3.01	0	4.56	0	-0.35	0
436/328/ULS-	0.72	0	1.11	0	-1.45	0
436/328/SLS+	2.08	0	3.15	0	-0.35	0
436/328/SLS-	0.72	0	1.11	0	-1.01	0
436/328/SLS:CHR+	2.08	0	3.15	0	-0.35	0
436/328/SLS:CHR-	0.72	0	1.11	0	-1.01	0
436/328/SLS:FRE+	1.67	0	2.54	0	-0.35	0
436/328/SLS:FRE-	0.72	0	1.11	0	-0.81	0
436/328/SLS:QPR+	1.53	0	2.33	0	-0.35	0
436/328/SLS:QPR-	0.72	0	1.11	0	-0.74	0
436/328/ACC+	2.56	1.21	2.47	0	-0.25	0.35
436/328/ACC-	-0.31	-1.21	0.97	0	-0.85	-0.34
436/329/ULS+	3.01	0	-0.78	0	-0.07	0
436/329/ULS-	0.72	0	-3.23	0	-0.29	0
436/329/SLS+	2.08	0	-0.78	0	-0.07	0
436/329/SLS-	0.72	0	-2.23	0	-0.2	0
436/329/SLS:CHR+	2.08	0	-0.78	0	-0.07	0
436/329/SLS:CHR-	0.72	0	-2.23	0	-0.2	0
436/329/SLS:FRE+	1.67	0	-0.78	0	-0.07	0
436/329/SLS:FRE-	0.72	0	-1.8	0	-0.16	0

436/329/SLS:QPR+	1.53	0	-0.78	0	-0.07	0
436/329/SLS:QPR-	0.72	0	-1.65	0	-0.15	0
436/329/ACC+	3	1.23	-0.65	0	0.06	0.37
436/329/ACC-	-0.75	-1.23	-1.78	0	-0.28	-0.36
437/330/ULS+	1.19	0	2.24	0	-0.03	0
437/330/ULS-	0.28	0	0.54	0	-0.12	0
437/330/SLS+	0.82	0	1.54	0	-0.03	0
437/330/SLS-	0.28	0	0.54	0	-0.08	0
437/330/SLS:CHR+	0.82	0	1.54	0	-0.03	0
437/330/SLS:CHR-	0.28	0	0.54	0	-0.08	0
437/330/SLS:FRE+	0.66	0	1.24	0	-0.03	0
437/330/SLS:FRE-	0.28	0	0.54	0	-0.06	0
437/330/SLS:QPR+	0.61	0	1.14	0	-0.03	0
437/330/SLS:QPR-	0.28	0	0.54	0	-0.06	0
437/330/ACC+	2.16	1.03	1.33	0	0.11	0.27
437/330/ACC-	-1.27	-1.03	0.36	0	-0.19	-0.27
437/331/ULS+	1.19	0	-0.9	0	-0.26	0
437/331/ULS-	0.28	0	-3.7	0	-1.09	0
437/331/SLS+	0.82	0	-0.9	0	-0.26	0
437/331/SLS-	0.28	0	-2.56	0	-0.75	0
437/331/SLS:CHR+	0.82	0	-0.9	0	-0.26	0
437/331/SLS:CHR-	0.28	0	-2.56	0	-0.75	0
437/331/SLS:FRE+	0.66	0	-0.9	0	-0.26	0
437/331/SLS:FRE-	0.28	0	-2.06	0	-0.61	0
437/331/SLS:QPR+	0.61	0	-0.9	0	-0.26	0
437/331/SLS:QPR-	0.28	0	-1.89	0	-0.56	0
437/331/ACC+	0.94	0.85	-0.71	0	-0.15	0.15
437/331/ACC-	-0.05	-0.85	-2.08	0	-0.67	-0.15
438/331/ULS+	1.94	0	4.09	0	-0.28	0
438/331/ULS-	0.47	0	0.99	0	-1.16	0
438/331/SLS+	1.34	0	2.83	0	-0.28	0
438/331/SLS-	0.47	0	0.99	0	-0.8	0
438/331/SLS:CHR+	1.34	0	2.83	0	-0.28	0
438/331/SLS:CHR-	0.47	0	0.99	0	-0.8	0
438/331/SLS:FRE+	1.08	0	2.28	0	-0.28	0
438/331/SLS:FRE-	0.47	0	0.99	0	-0.65	0
438/331/SLS:QPR+	0.99	0	2.1	0	-0.28	0
438/331/SLS:QPR-	0.47	0	0.99	0	-0.59	0
438/331/ACC+	2.98	1.37	2.19	0	-0.2	0.47
438/331/ACC-	-1.52	-1.37	0.9	0	-0.68	-0.47
438/332/ULS+	1.94	0	-1.04	0	-0.32	0
438/332/ULS-	0.47	0	-4.27	0	-1.33	0
438/332/SLS+	1.34	0	-1.04	0	-0.32	0
438/332/SLS-	0.47	0	-2.95	0	-0.92	0

438/332/SLS:CHR+	1.34	0	-1.04	0	-0.32	0
438/332/SLS:CHR-	0.47	0	-2.95	0	-0.92	0
438/332/SLS:FRE+	1.08	0	-1.04	0	-0.32	0
438/332/SLS:FRE-	0.47	0	-2.38	0	-0.74	0
438/332/SLS:QPR+	0.99	0	-1.04	0	-0.32	0
438/332/SLS:QPR-	0.47	0	-2.19	0	-0.68	0
438/332/ACC+	1.74	1.26	-0.94	0	-0.23	0.36
438/332/ACC-	-0.28	-1.26	-2.28	0	-0.78	-0.36
439/332/ULS+	1.89	0	4.16	0	-0.32	0
439/332/ULS-	0.45	0	1.01	0	-1.32	0
439/332/SLS+	1.3	0	2.87	0	-0.32	0
439/332/SLS-	0.45	0	1.01	0	-0.91	0
439/332/SLS:CHR+	1.3	0	2.87	0	-0.32	0
439/332/SLS:CHR-	0.45	0	1.01	0	-0.91	0
439/332/SLS:FRE+	1.05	0	2.31	0	-0.32	0
439/332/SLS:FRE-	0.45	0	1.01	0	-0.74	0
439/332/SLS:QPR+	0.96	0	2.13	0	-0.32	0
439/332/SLS:QPR-	0.45	0	1.01	0	-0.68	0
439/332/ACC+	2.41	1.27	2.23	0	-0.22	0.37
439/332/ACC-	-1	-1.27	0.91	0	-0.78	-0.37
439/333/ULS+	1.89	0	-1.02	0	-0.33	0
439/333/ULS-	0.45	0	-4.21	0	-1.37	0
439/333/SLS+	1.3	0	-1.02	0	-0.33	0
439/333/SLS-	0.45	0	-2.91	0	-0.95	0
439/333/SLS:CHR+	1.3	0	-1.02	0	-0.33	0
439/333/SLS:CHR-	0.45	0	-2.91	0	-0.95	0
439/333/SLS:FRE+	1.05	0	-1.02	0	-0.33	0
439/333/SLS:FRE-	0.45	0	-2.34	0	-0.76	0
439/333/SLS:QPR+	0.96	0	-1.02	0	-0.33	0
439/333/SLS:QPR-	0.45	0	-2.15	0	-0.7	0
439/333/ACC+	2.24	1.37	-0.92	0	-0.24	0.46
439/333/ACC-	-0.82	-1.37	-2.26	0	-0.79	-0.46
440/333/ULS+	2.89	0	4.57	0	-0.35	0
440/333/ULS-	0.69	0	1.11	0	-1.46	0
440/333/SLS+	2	0	3.16	0	-0.35	0
440/333/SLS-	0.69	0	1.11	0	-1.01	0
440/333/SLS:CHR+	2	0	3.16	0	-0.35	0
440/333/SLS:CHR-	0.69	0	1.11	0	-1.01	0
440/333/SLS:FRE+	1.61	0	2.54	0	-0.35	0
440/333/SLS:FRE-	0.69	0	1.11	0	-0.81	0
440/333/SLS:QPR+	1.48	0	2.34	0	-0.35	0
440/333/SLS:QPR-	0.69	0	1.11	0	-0.75	0
440/333/ACC+	2.49	1.18	2.47	0	-0.25	0.32
440/333/ACC-	-0.32	-1.19	0.98	0	-0.85	-0.32

440/334/ULS+	2.89	0	-0.78	0	-0.07	0.01
440/334/ULS-	0.69	0	-3.22	0	-0.28	0
440/334/SLS+	2	0	-0.78	0	-0.07	0
440/334/SLS-	0.69	0	-2.22	0	-0.19	0
440/334/SLS:CHR+	2	0	-0.78	0	-0.07	0
440/334/SLS:CHR-	0.69	0	-2.22	0	-0.19	0
440/334/SLS:FRE+	1.61	0	-0.78	0	-0.07	0
440/334/SLS:FRE-	0.69	0	-1.79	0	-0.16	0
440/334/SLS:QPR+	1.48	0	-0.78	0	-0.07	0
440/334/SLS:QPR-	0.69	0	-1.65	0	-0.14	0
440/334/ACC+	2.95	1.27	-0.65	0	0.06	0.4
440/334/ACC-	-0.78	-1.27	-1.78	0	-0.27	-0.39

Reactions – Values

Node/Case	FX (kN)	FY (kN)	FZ (kN)	MX (kNm)	MY (kNm)	MZ (kNm)
3/ULS+	-0.48	1.61	4.79	-0.06	-0.08	0
3/ULS-	-1.86	0.42	1.31	-0.23	-0.3	0
3/SLS+	-0.48	1.12	3.33	-0.06	-0.08	0
3/SLS-	-1.29	0.42	1.31	-0.16	-0.21	0
3/SLS:CHR+	-0.48	1.12	3.33	-0.06	-0.08	0
3/SLS:CHR-	-1.29	0.42	1.31	-0.16	-0.21	0
3/SLS:FRE+	-0.48	0.91	2.72	-0.06	-0.08	0
3/SLS:FRE-	-1.04	0.42	1.31	-0.13	-0.17	0
3/SLS:QPR+	-0.48	0.84	2.52	-0.06	-0.08	0
3/SLS:QPR-	-0.96	0.42	1.31	-0.12	-0.16	0
3/ACC+	1.15	1.92	3.05	0.29	0.46	0
3/ACC-	-2.59	-0.66	0.78	-0.47	-0.69	0
7/ULS+	-0.6	-0.03	8.62	0.01	-0.13	0
7/ULS-	-2.33	-0.12	2.4	0	-0.51	0
7/SLS+	-0.6	-0.03	5.99	0.01	-0.13	0
7/SLS-	-1.61	-0.08	2.4	0	-0.35	0
7/SLS:CHR+	-0.6	-0.03	5.99	0.01	-0.13	0
7/SLS:CHR-	-1.61	-0.08	2.4	0	-0.35	0
7/SLS:FRE+	-0.6	-0.03	4.91	0.01	-0.13	0
7/SLS:FRE-	-1.31	-0.07	2.4	0	-0.28	0
7/SLS:QPR+	-0.6	-0.03	4.55	0.01	-0.13	0
7/SLS:QPR-	-1.21	-0.06	2.4	0	-0.26	0
7/ACC+	2.55	1.19	6.6	0.38	0.19	0
7/ACC-	-4.35	-1.28	0.35	-0.37	-0.58	0
11/ULS+	-0.82	-0.06	8.38	0.07	-0.15	0
11/ULS-	-3.23	-0.23	2.32	0.02	-0.6	0
11/SLS+	-0.82	-0.06	5.82	0.05	-0.15	0
11/SLS-	-2.23	-0.16	2.32	0.02	-0.41	0
11/SLS:CHR+	-0.82	-0.06	5.82	0.05	-0.15	0
11/SLS:CHR-	-2.23	-0.16	2.32	0.02	-0.41	0
11/SLS:FRE+	-0.82	-0.06	4.77	0.04	-0.15	0
11/SLS:FRE-	-1.81	-0.13	2.32	0.02	-0.33	0
11/SLS:QPR+	-0.82	-0.06	4.42	0.04	-0.15	0
11/SLS:QPR-	-1.67	-0.12	2.32	0.02	-0.31	0
11/ACC+	2.44	3.28	6.16	0.9	0.15	0
11/ACC-	-4.93	-3.46	0.58	-0.85	-0.61	0
13/ULS+	2.09	-0.02	8.65	0.14	0.2	0
13/ULS-	0.53	-0.07	2.44	0.04	0.05	0
13/SLS+	1.45	-0.02	6.01	0.1	0.14	0
13/SLS-	0.53	-0.05	2.44	0.04	0.05	0
13/SLS:CHR+	1.45	-0.02	6.01	0.1	0.14	0

13/SLS:CHR-	0.53	-0.05	2.44	0.04	0.05	0
13/SLS:FRE+	1.17	-0.02	4.94	0.08	0.11	0
13/SLS:FRE-	0.53	-0.04	2.44	0.04	0.05	0
13/SLS:QPR+	1.08	-0.02	4.58	0.07	0.1	0
13/SLS:QPR-	0.53	-0.04	2.44	0.04	0.05	0
13/ACC+	5.12	3.65	10.24	0.52	0.41	0
13/ACC-	-3.51	-3.7	-3.21	-0.41	-0.26	0
15/ULS+	-0.53	-0.02	11.36	0.19	-0.11	0
15/ULS-	-2.1	-0.05	3.11	0.05	-0.44	0
15/SLS+	-0.53	-0.02	7.88	0.13	-0.11	0
15/SLS-	-1.46	-0.04	3.11	0.05	-0.31	0
15/SLS:CHR+	-0.53	-0.02	7.88	0.13	-0.11	0
15/SLS:CHR-	-1.46	-0.04	3.11	0.05	-0.31	0
15/SLS:FRE+	-0.53	-0.02	6.45	0.11	-0.11	0
15/SLS:FRE-	-1.18	-0.03	3.11	0.05	-0.25	0
15/SLS:QPR+	-0.53	-0.02	5.97	0.1	-0.11	0
15/SLS:QPR-	-1.09	-0.03	3.11	0.05	-0.23	0
15/ACC+	3.53	4.6	10.85	0.64	0.2	0
15/ACC-	-5.14	-4.66	-1.77	-0.5	-0.54	0
23/ULS+	3.43	-0.08	12.37	0.01	0.36	0
23/ULS-	0.84	-0.28	3.37	0	0.09	0
23/SLS+	2.37	-0.08	8.59	0	0.25	0
23/SLS-	0.84	-0.2	3.37	0	0.09	0
23/SLS:CHR+	2.37	-0.08	8.59	0	0.25	0
23/SLS:CHR-	0.84	-0.2	3.37	0	0.09	0
23/SLS:FRE+	1.91	-0.08	7.02	0	0.2	0
23/SLS:FRE-	0.84	-0.16	3.37	0	0.09	0
23/SLS:QPR+	1.76	-0.08	6.5	0	0.18	0
23/SLS:QPR-	0.84	-0.15	3.37	0	0.09	0
23/ACC+	6.22	4.87	13.53	0.03	0.31	0
23/ACC-	-3.63	-5.1	-3.65	-0.02	-0.04	0
25/ULS+	-0.8	-0.11	15.86	0.01	-0.18	0
25/ULS-	-3.3	-0.4	4.21	0	-0.74	0
25/SLS+	-0.8	-0.11	10.99	0.01	-0.18	0
25/SLS-	-2.28	-0.28	4.21	0	-0.51	0
25/SLS:CHR+	-0.8	-0.11	10.99	0.01	-0.18	0
25/SLS:CHR-	-2.28	-0.28	4.21	0	-0.51	0
25/SLS:FRE+	-0.8	-0.11	8.96	0.01	-0.18	0
25/SLS:FRE-	-1.84	-0.23	4.21	0	-0.41	0
25/SLS:QPR+	-0.8	-0.11	8.28	0.01	-0.18	0
25/SLS:QPR-	-1.69	-0.21	4.21	0	-0.38	0
25/ACC+	3.71	6.26	13.79	0.05	-0.06	0.01
25/ACC-	-6.2	-6.59	-1.3	-0.04	-0.5	-0.01
27/ULS+	1.96	0	10.05	-0.06	0.14	0

27/ULS-	0.49	-0.07	2.93	-0.2	0.03	0
27/SLS+	1.36	0	6.99	-0.06	0.1	0
27/SLS-	0.49	-0.05	2.93	-0.14	0.03	0
27/SLS:CHR+	1.36	0	6.99	-0.06	0.1	0
27/SLS:CHR-	0.49	-0.05	2.93	-0.14	0.03	0
27/SLS:FRE+	1.1	0	5.77	-0.06	0.08	0
27/SLS:FRE-	0.49	-0.03	2.93	-0.12	0.03	0
27/SLS:QPR+	1.01	0	5.37	-0.06	0.07	0
27/SLS:QPR-	0.49	-0.03	2.93	-0.11	0.03	0
27/ACC+	5.45	2.29	13.02	-0.04	0.61	0
27/ACC-	-3.94	-2.32	-4.73	-0.13	-0.51	0
29/ULS+	-0.48	-0.06	13.27	-0.06	-0.08	0
29/ULS-	-1.91	-0.32	3.73	-0.21	-0.33	0
29/SLS+	-0.48	-0.06	9.22	-0.06	-0.08	0
29/SLS-	-1.32	-0.22	3.73	-0.15	-0.23	0
29/SLS:CHR+	-0.48	-0.06	9.22	-0.06	-0.08	0
29/SLS:CHR-	-1.32	-0.22	3.73	-0.15	-0.23	0
29/SLS:FRE+	-0.48	-0.06	7.58	-0.06	-0.08	0
29/SLS:FRE-	-1.07	-0.17	3.73	-0.12	-0.18	0
29/SLS:QPR+	-0.48	-0.06	7.03	-0.06	-0.08	0
29/SLS:QPR-	-0.98	-0.15	3.73	-0.12	-0.17	0
29/ACC+	4.24	2.75	14.06	-0.02	0.45	0
29/ACC-	-5.7	-2.97	-3.3	-0.16	-0.7	0
39/ULS+	0.79	3.58	10.22	-0.12	0.13	0
39/ULS-	0.2	0.9	2.68	-0.48	0.03	0
39/SLS+	0.55	2.48	7.08	-0.12	0.09	0
39/SLS-	0.2	0.9	2.68	-0.33	0.03	0
39/SLS:CHR+	0.55	2.48	7.08	-0.12	0.09	0
39/SLS:CHR-	0.2	0.9	2.68	-0.33	0.03	0
39/SLS:FRE+	0.44	2	5.76	-0.12	0.08	0
39/SLS:FRE-	0.2	0.9	2.68	-0.27	0.03	0
39/SLS:QPR+	0.41	1.85	5.32	-0.12	0.07	0
39/SLS:QPR-	0.2	0.9	2.68	-0.25	0.03	0
39/ACC+	2.69	5.08	6.36	0.91	0.71	0
39/ACC-	-2.08	-2.33	1.63	-1.28	-0.61	0
41/ULS+	1.32	-0.09	17.47	0.05	0.13	0
41/ULS-	0.33	-0.35	4.65	0.01	0.03	0
41/SLS+	0.91	-0.09	12.11	0.04	0.09	0
41/SLS-	0.33	-0.24	4.65	0.01	0.03	0
41/SLS:CHR+	0.91	-0.09	12.11	0.04	0.09	0
41/SLS:CHR-	0.33	-0.24	4.65	0.01	0.03	0
41/SLS:FRE+	0.74	-0.09	9.87	0.03	0.07	0
41/SLS:FRE-	0.33	-0.2	4.65	0.01	0.03	0
41/SLS:QPR+	0.68	-0.09	9.13	0.03	0.07	0

41/SLS:QPR-	0.33	-0.18	4.65	0.01	0.03	0
41/ACC+	6.07	2.21	10.25	0.93	0.44	0
41/ACC-	-5.06	-2.48	3.53	-0.88	-0.34	0
43/ULS+	1.46	-0.18	17.6	0.25	0.16	0
43/ULS-	0.37	-0.72	4.67	0.06	0.04	0
43/SLS+	1.01	-0.18	12.2	0.17	0.11	0
43/SLS-	0.37	-0.5	4.67	0.06	0.04	0
43/SLS:CHR+	1.01	-0.18	12.2	0.17	0.11	0
43/SLS:CHR-	0.37	-0.5	4.67	0.06	0.04	0
43/SLS:FRE+	0.82	-0.18	9.94	0.14	0.09	0
43/SLS:FRE-	0.37	-0.4	4.67	0.06	0.04	0
43/SLS:QPR+	0.75	-0.18	9.19	0.13	0.08	0
43/SLS:QPR-	0.37	-0.37	4.67	0.06	0.04	0
43/ACC+	6.28	9.09	10.37	3.3	0.46	0
43/ACC-	-5.16	-9.64	3.48	-3.11	-0.34	0
45/ULS+	1.37	-0.35	22.71	0.48	0.11	0
45/ULS-	0.34	-1.38	5.89	0.12	0.03	0
45/SLS+	0.94	-0.35	15.73	0.33	0.08	0
45/SLS-	0.34	-0.95	5.89	0.12	0.03	0
45/SLS:CHR+	0.94	-0.35	15.73	0.33	0.08	0
45/SLS:CHR-	0.34	-0.95	5.89	0.12	0.03	0
45/SLS:FRE+	0.76	-0.35	12.77	0.27	0.06	0
45/SLS:FRE-	0.34	-0.77	5.89	0.12	0.03	0
45/SLS:QPR+	0.7	-0.35	11.79	0.25	0.06	0
45/SLS:QPR-	0.34	-0.71	5.89	0.12	0.03	0
45/ACC+	8.09	1.12	13.93	1.9	0.41	0
45/ACC-	-7.05	-2.18	3.75	-1.53	-0.32	0
50/ULS+	2.39	-0.02	29.06	0.08	0.22	0
50/ULS-	0.57	-0.08	7.29	0.02	0.05	0
50/SLS+	1.65	-0.02	20.1	0.06	0.15	0
50/SLS-	0.57	-0.05	7.29	0.02	0.05	0
50/SLS:CHR+	1.65	-0.02	20.1	0.06	0.15	0
50/SLS:CHR-	0.57	-0.05	7.29	0.02	0.05	0
50/SLS:FRE+	1.32	-0.02	16.26	0.05	0.12	0
50/SLS:FRE-	0.57	-0.04	7.29	0.02	0.05	0
50/SLS:QPR+	1.21	-0.02	14.98	0.04	0.11	0
50/SLS:QPR-	0.57	-0.04	7.29	0.02	0.05	0
50/ACC+	9.89	0.95	17.36	1.52	0.19	0
50/ACC-	-8.11	-1.01	4.91	-1.45	-0.02	0
52/ULS+	1.3	0.03	22.84	0.18	0.08	0
52/ULS-	0.32	0.01	5.98	0.04	0.02	0
52/SLS+	0.9	0.02	15.82	0.12	0.05	0
52/SLS-	0.32	0.01	5.98	0.04	0.02	0
52/SLS:CHR+	0.9	0.02	15.82	0.12	0.05	0

52/SLS:CHR-	0.32	0.01	5.98	0.04	0.02	0
52/SLS:FRE+	0.73	0.02	12.87	0.1	0.04	0
52/SLS:FRE-	0.32	0.01	5.98	0.04	0.02	0
52/SLS:QPR+	0.67	0.02	11.89	0.09	0.04	0
52/SLS:QPR-	0.32	0.01	5.98	0.04	0.02	0
52/ACC+	8.76	15.47	34.87	3.42	0.69	0
52/ACC-	-7.77	-15.44	-17.01	-3.29	-0.63	0
55/ULS+	0.31	-0.46	11.32	0.04	0.08	0
55/ULS-	0.06	-1.73	3.17	0.01	0.01	0
55/SLS+	0.21	-0.46	7.87	0.03	0.06	0
55/SLS-	0.06	-1.2	3.17	0.01	0.01	0
55/SLS:CHR+	0.21	-0.46	7.87	0.03	0.06	0
55/SLS:CHR-	0.06	-1.2	3.17	0.01	0.01	0
55/SLS:FRE+	0.17	-0.46	6.46	0.03	0.04	0
55/SLS:FRE-	0.06	-0.98	3.17	0.01	0.01	0
55/SLS:QPR+	0.15	-0.46	5.99	0.02	0.04	0
55/SLS:QPR-	0.06	-0.9	3.17	0.01	0.01	0
55/ACC+	2.49	8.67	31.46	0.4	0.08	0
55/ACC-	-2.28	-10.03	-22.29	-0.37	-0.03	0
58/ULS+	0	3.83	11.34	-0.13	0	0
58/ULS-	-0.01	0.96	2.96	-0.51	0	0
58/SLS+	0	2.65	7.86	-0.13	0	0
58/SLS-	0	0.96	2.96	-0.35	0	0
58/SLS:CHR+	0	2.65	7.86	-0.13	0	0
58/SLS:CHR-	0	0.96	2.96	-0.35	0	0
58/SLS:FRE+	0	2.14	6.39	-0.13	0	0
58/SLS:FRE-	0	0.96	2.96	-0.28	0	0
58/SLS:QPR+	0	1.97	5.9	-0.13	0	0
58/SLS:QPR-	0	0.96	2.96	-0.26	0	0
58/ACC+	2.05	8.11	7.38	1.8	0.61	0
58/ACC-	-2.05	-5.17	1.48	-2.19	-0.6	0
60/ULS+	0.48	-0.09	19.66	0.07	0	0
60/ULS-	0.12	-0.36	5.22	0.02	-0.02	0
60/SLS+	0.33	-0.09	13.63	0.05	0	0
60/SLS-	0.12	-0.25	5.22	0.02	-0.01	0
60/SLS:CHR+	0.33	-0.09	13.63	0.05	0	0
60/SLS:CHR-	0.12	-0.25	5.22	0.02	-0.01	0
60/SLS:FRE+	0.27	-0.09	11.11	0.04	0	0
60/SLS:FRE-	0.12	-0.2	5.22	0.02	-0.01	0
60/SLS:QPR+	0.25	-0.09	10.27	0.03	0	0
60/SLS:QPR-	0.12	-0.19	5.22	0.02	-0.01	0
60/ACC+	5.38	2.74	10.31	1.52	0.34	0
60/ACC-	-5.01	-3.02	5.18	-1.46	-0.36	0
62/ULS+	0.39	-0.25	19.59	0.39	0	0

62/ULS-	0.1	-1.02	5.18	0.1	-0.02	0
62/SLS+	0.27	-0.25	13.58	0.27	0	0
62/SLS-	0.1	-0.7	5.18	0.1	-0.01	0
62/SLS:CHR+	0.27	-0.25	13.58	0.27	0	0
62/SLS:CHR-	0.1	-0.7	5.18	0.1	-0.01	0
62/SLS:FRE+	0.22	-0.25	11.06	0.22	0	0
62/SLS:FRE-	0.1	-0.57	5.18	0.1	-0.01	0
62/SLS:QPR+	0.2	-0.25	10.22	0.2	0	0
62/SLS:QPR-	0.1	-0.52	5.18	0.1	-0.01	0
62/ACC+	5.38	16.83	12.77	7.03	0.34	0
62/ACC-	-5.09	-17.61	2.63	-6.73	-0.35	0
64/ULS+	0.6	-0.36	25.96	0.58	0	0
64/ULS-	0.15	-1.44	6.7	0.15	-0.02	0
64/SLS+	0.41	-0.36	17.98	0.4	0	0
64/SLS-	0.15	-0.99	6.7	0.15	-0.01	0
64/SLS:CHR+	0.41	-0.36	17.98	0.4	0	0
64/SLS:CHR-	0.15	-0.99	6.7	0.15	-0.01	0
64/SLS:FRE+	0.33	-0.36	14.59	0.32	0	0
64/SLS:FRE-	0.15	-0.8	6.7	0.15	-0.01	0
64/SLS:QPR+	0.31	-0.36	13.46	0.3	0	0
64/SLS:QPR-	0.15	-0.74	6.7	0.15	-0.01	0
64/ACC+	7.41	-0.16	17.24	3.64	0.31	0
64/ACC-	-6.96	-0.94	2.93	-3.19	-0.33	0
69/ULS+	1.03	-0.05	34.18	0.2	-0.01	0
69/ULS-	0.25	-0.21	8.53	0.05	-0.02	0
69/SLS+	0.71	-0.05	23.64	0.14	-0.01	0
69/SLS-	0.25	-0.15	8.53	0.05	-0.02	0
69/SLS:CHR+	0.71	-0.05	23.64	0.14	-0.01	0
69/SLS:CHR-	0.25	-0.15	8.53	0.05	-0.02	0
69/SLS:FRE+	0.57	-0.05	19.11	0.11	-0.01	0
69/SLS:FRE-	0.25	-0.12	8.53	0.05	-0.01	0
69/SLS:QPR+	0.52	-0.05	17.59	0.1	-0.01	0
69/SLS:QPR-	0.25	-0.11	8.53	0.05	-0.01	0
69/ACC+	9.06	4.6	17.77	4.81	0.06	0
69/ACC-	-8.29	-4.76	8.35	-4.66	-0.08	0
71/ULS+	0.6	-0.1	27.68	0.26	0	0
71/ULS-	0.15	-0.4	7.12	0.06	-0.02	0
71/SLS+	0.42	-0.1	19.16	0.18	0	0
71/SLS-	0.15	-0.28	7.12	0.06	-0.01	0
71/SLS:CHR+	0.42	-0.1	19.16	0.18	0	0
71/SLS:CHR-	0.15	-0.28	7.12	0.06	-0.01	0
71/SLS:FRE+	0.34	-0.1	15.55	0.14	0	0
71/SLS:FRE-	0.15	-0.22	7.12	0.06	-0.01	0
71/SLS:QPR+	0.31	-0.1	14.35	0.13	0	0

71/SLS:QPR-	0.15	-0.21	7.12	0.06	-0.01	0
71/ACC+	8.79	4.78	15.45	4.92	0.59	0
71/ACC-	-8.33	-5.09	6.02	-4.73	-0.6	0
74/ULS+	-0.19	-0.03	9.5	0.13	0	0
74/ULS-	-0.71	-0.11	2.66	0.03	0	0
74/SLS+	-0.19	-0.03	6.6	0.09	0	0
74/SLS-	-0.49	-0.07	2.66	0.03	0	0
74/SLS:CHR+	-0.19	-0.03	6.6	0.09	0	0
74/SLS:CHR-	-0.49	-0.07	2.66	0.03	0	0
74/SLS:FRE+	-0.19	-0.03	5.42	0.07	0	0
74/SLS:FRE-	-0.4	-0.06	2.66	0.03	0	0
74/SLS:QPR+	-0.19	-0.03	5.02	0.07	0	0
74/SLS:QPR-	-0.37	-0.05	2.66	0.03	0	0
74/ACC+	4.97	2.96	5.9	4.01	0.01	0
74/ACC-	-5.54	-3.04	1.78	-3.92	-0.01	0
77/ULS+	0.09	4.05	11.49	-0.14	0.03	0
77/ULS-	0.02	1.02	2.99	-0.54	0.01	0
77/SLS+	0.06	2.8	7.96	-0.14	0.02	0
77/SLS-	0.02	1.02	2.99	-0.38	0.01	0
77/SLS:CHR+	0.06	2.8	7.96	-0.14	0.02	0
77/SLS:CHR-	0.02	1.02	2.99	-0.38	0.01	0
77/SLS:FRE+	0.05	2.26	6.47	-0.14	0.02	0
77/SLS:FRE-	0.02	1.02	2.99	-0.3	0.01	0
77/SLS:QPR+	0.05	2.09	5.97	-0.14	0.01	0
77/SLS:QPR-	0.02	1.02	2.99	-0.28	0.01	0
77/ACC+	2.21	5.79	7.1	1.04	0.64	0
77/ACC-	-2.15	-2.69	1.87	-1.46	-0.62	0
79/ULS+	-0.33	-0.1	19.69	0.06	0.1	0
79/ULS-	-1.33	-0.4	5.22	0.02	0.02	0
79/SLS+	-0.33	-0.1	13.65	0.04	0.07	0
79/SLS-	-0.92	-0.28	5.22	0.02	0.02	0
79/SLS:CHR+	-0.33	-0.1	13.65	0.04	0.07	0
79/SLS:CHR-	-0.92	-0.28	5.22	0.02	0.02	0
79/SLS:FRE+	-0.33	-0.1	11.12	0.03	0.05	0
79/SLS:FRE-	-0.74	-0.22	5.22	0.02	0.02	0
79/SLS:QPR+	-0.33	-0.1	10.28	0.03	0.05	0
79/SLS:QPR-	-0.68	-0.21	5.22	0.02	0.02	0
79/ACC+	4.96	2.5	10.62	1.05	0.42	0
79/ACC-	-5.97	-2.81	4.88	-1.01	-0.34	0
81/ULS+	-0.19	-0.21	19.8	0.29	0.11	0
81/ULS-	-0.75	-0.83	5.23	0.07	0.03	0
81/SLS+	-0.19	-0.21	13.73	0.2	0.08	0
81/SLS-	-0.52	-0.57	5.23	0.07	0.03	0
81/SLS:CHR+	-0.19	-0.21	13.73	0.2	0.08	0

81/SLS:CHR-	-0.52	-0.57	5.23	0.07	0.03	0
81/SLS:FRE+	-0.19	-0.21	11.18	0.16	0.06	0
81/SLS:FRE-	-0.42	-0.46	5.23	0.07	0.03	0
81/SLS:QPR+	-0.19	-0.21	10.33	0.15	0.06	0
81/SLS:QPR-	-0.39	-0.43	5.23	0.07	0.03	0
81/ACC+	5.2	10.42	11.49	3.8	0.43	0
81/ACC-	-5.77	-11.06	4.07	-3.58	-0.34	0
83/ULS+	-0.48	-0.4	25.7	0.55	0.06	0
83/ULS-	-1.92	-1.58	6.63	0.14	0.01	0
83/SLS+	-0.48	-0.4	17.8	0.38	0.04	0
83/SLS-	-1.33	-1.09	6.63	0.14	0.01	0
83/SLS:CHR+	-0.48	-0.4	17.8	0.38	0.04	0
83/SLS:CHR-	-1.33	-1.09	6.63	0.14	0.01	0
83/SLS:FRE+	-0.48	-0.4	14.45	0.31	0.03	0
83/SLS:FRE-	-1.07	-0.88	6.63	0.14	0.01	0
83/SLS:QPR+	-0.48	-0.4	13.33	0.29	0.03	0
83/SLS:QPR-	-0.99	-0.81	6.63	0.14	0.01	0
83/ACC+	6.95	1.36	15.32	2.21	0.37	0
83/ACC-	-8.42	-2.56	4.64	-1.78	-0.33	0
88/ULS+	-0.85	-0.02	32.89	0.09	0.01	0
88/ULS-	-3.57	-0.09	8.21	0.02	0	0
88/SLS+	-0.85	-0.02	22.74	0.06	0.01	0
88/SLS-	-2.47	-0.06	8.21	0.02	0	0
88/SLS:CHR+	-0.85	-0.02	22.74	0.06	0.01	0
88/SLS:CHR-	-2.47	-0.06	8.21	0.02	0	0
88/SLS:FRE+	-0.85	-0.02	18.39	0.05	0.01	0
88/SLS:FRE-	-1.98	-0.05	8.21	0.02	0	0
88/SLS:QPR+	-0.85	-0.02	16.93	0.05	0	0
88/SLS:QPR-	-1.82	-0.05	8.21	0.02	0	0
88/ACC+	7.98	1.11	17.68	1.75	0.07	0
88/ACC-	-10.66	-1.18	7.46	-1.68	-0.07	0
90/ULS+	-0.51	0.14	25.95	0.21	0.04	0
90/ULS-	-2.03	0.04	6.73	0.05	0.01	0
90/SLS+	-0.51	0.1	17.97	0.15	0.03	0
90/SLS-	-1.41	0.04	6.73	0.05	0.01	0
90/SLS:CHR+	-0.51	0.1	17.97	0.15	0.03	0
90/SLS:CHR-	-1.41	0.04	6.73	0.05	0.01	0
90/SLS:FRE+	-0.51	0.08	14.6	0.12	0.02	0
90/SLS:FRE-	-1.14	0.04	6.73	0.05	0.01	0
90/SLS:QPR+	-0.51	0.08	13.48	0.11	0.02	0
90/SLS:QPR-	-1.05	0.04	6.73	0.05	0.01	0
90/ACC+	7.99	17.68	39.66	3.95	0.66	0
90/ACC-	-9.54	-17.56	-19.45	-3.79	-0.62	0
93/ULS+	0.51	-0.5	15.23	0.03	0.49	0

93/ULS-	0.16	-1.93	4.19	0.01	0.14	0
93/SLS+	0.36	-0.5	10.58	0.02	0.34	0
93/SLS-	0.16	-1.33	4.19	0.01	0.14	0
93/SLS:CHR+	0.36	-0.5	10.58	0.02	0.34	0
93/SLS:CHR-	0.16	-1.33	4.19	0.01	0.14	0
93/SLS:FRE+	0.3	-0.5	8.66	0.02	0.28	0
93/SLS:FRE-	0.16	-1.08	4.19	0.01	0.14	0
93/SLS:QPR+	0.28	-0.5	8.02	0.02	0.26	0
93/SLS:QPR-	0.16	-1	4.19	0.01	0.14	0
93/ACC+	2.7	9.75	36.59	0.45	0.34	0
93/ACC-	-2.26	-11.26	-24.38	-0.43	0.06	0
308/ULS+	0.95	1.17	3.5	-0.04	0.16	0
308/ULS-	0.24	0.31	0.99	-0.17	0.04	0
308/SLS+	0.66	0.81	2.43	-0.04	0.11	0
308/SLS-	0.24	0.31	0.99	-0.12	0.04	0
308/SLS:CHR+	0.66	0.81	2.43	-0.04	0.11	0
308/SLS:CHR-	0.24	0.31	0.99	-0.12	0.04	0
308/SLS:FRE+	0.53	0.66	2	-0.04	0.09	0
308/SLS:FRE-	0.24	0.31	0.99	-0.09	0.04	0
308/SLS:QPR+	0.49	0.61	1.85	-0.04	0.08	0
308/SLS:QPR-	0.24	0.31	0.99	-0.09	0.04	0
308/ACC+	2.21	1.44	2.49	0.23	0.63	0
308/ACC-	-1.48	-0.52	0.36	-0.36	-0.5	0
310/ULS+	1.88	-0.02	6.49	0.01	0.22	0
310/ULS-	0.48	-0.08	1.85	0	0.06	0
310/SLS+	1.3	-0.02	4.51	0	0.15	0
310/SLS-	0.48	-0.06	1.85	0	0.06	0
310/SLS:CHR+	1.3	-0.02	4.51	0	0.15	0
310/SLS:CHR-	0.48	-0.06	1.85	0	0.06	0
310/SLS:FRE+	1.06	-0.02	3.71	0	0.12	0
310/SLS:FRE-	0.48	-0.05	1.85	0	0.06	0
310/SLS:QPR+	0.97	-0.02	3.45	0	0.11	0
310/SLS:QPR-	0.48	-0.04	1.85	0	0.06	0
310/ACC+	4.22	0.94	6.24	0.3	0.43	0
310/ACC-	-2.76	-1	-0.94	-0.29	-0.26	0
312/ULS+	2.13	-0.05	6.2	0.05	0.26	0
312/ULS-	0.54	-0.17	1.76	0.01	0.07	0
312/SLS+	1.47	-0.05	4.31	0.04	0.18	0
312/SLS-	0.54	-0.12	1.76	0.01	0.07	0
312/SLS:CHR+	1.47	-0.05	4.31	0.04	0.18	0
312/SLS:CHR-	0.54	-0.12	1.76	0.01	0.07	0
312/SLS:FRE+	1.19	-0.05	3.55	0.03	0.15	0
312/SLS:FRE-	0.54	-0.1	1.76	0.01	0.07	0
312/SLS:QPR+	1.1	-0.05	3.29	0.03	0.14	0

312/SLS:QPR-	0.54	-0.09	1.76	0.01	0.07	0
312/ACC+	4.5	2.61	5.74	0.72	0.44	0
312/ACC-	-2.86	-2.74	-0.68	-0.68	-0.24	0
Case ULS+	ULS+					
Sum of val.	18.82	10.74	539.43	3.81	2.35	0.01
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case ULS-	ULS-					
Sum of val.	-18.82	-10.74	142.33	-1.22	-2.23	-0.01
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case SLS+	SLS+					
Sum of val.	11.09	6.31	373.85	2.45	1.39	0.01
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case SLS-	SLS-					
Sum of val.	-11.09	-6.31	142.33	-0.5	-1.3	0
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case SLS:CHR+	SLS:CHR+					
Sum of val.	11.09	6.31	373.85	2.45	1.39	0.01
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case SLS:CHR-	SLS:CHR-					
Sum of val.	-11.09	-6.31	142.33	-0.5	-1.3	0
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0

Precision	3.12E-11	3.10E-25				
Case SLS:FRE+	SLS:FRE+					
Sum of val.	7.76	4.41	304.39	1.87	0.98	0
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case SLS:FRE-	SLS:FRE-					
Sum of val.	-7.76	-4.41	142.33	-0.2	-0.9	0
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case SLS:QPR+	SLS:QPR+					
Sum of val.	6.65	3.78	281.24	1.67	0.85	0
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case SLS:QPR-	SLS:QPR-					
Sum of val.	-6.65	-3.78	142.33	-0.1	-0.77	0
Sum of reac.	0	0	142.33	482.34	-561.89	0
Sum of forc.	0	0	-142.33	-482.34	561.89	0
Check val.	0	0	0	0	0	0
Precision	3.12E-11	3.10E-25				
Case ACC+	ACC+					
Sum of val.	170.64	166.87	455.62	58.36	12.4	0.06
Sum of reac.	48.62	-162.07	142.33	702.8	-495.75	-806.51
Sum of forc.	-48.62	162.07	-142.33	-702.8	495.75	806.51
Check val.	0	0	0	0	0	0
Precision	-2.38E-10	-1.67E-22				
Case ACC-	ACC-					
Sum of val.	-170.64	-166.87	-32.06	-56.79	-12.33	-0.05
Sum of reac.	48.62	-162.07	142.33	702.8	-495.75	-806.51
Sum of forc.	-48.62	162.07	-142.33	-702.8	495.75	806.51
Check val.	0	0	0	0	0	0
Precision	-2.38E-10	-1.67E-22				

ΕΛΕΓΧΟΣ ΜΕΛΩΝ

Member	Section	Material	Lay	Laz	Ratio	Case	Ratio(uy)	Case (uy)	Ratio(uz)	Case (uz)	Ratio(vx)	Case (vx)	Ratio(vy)	Case (vy)
1	TRON60x5	S235	34.64	34.64	0.02	19 ACC /8/	-	-	-	-	-	-	-	-
2	HE100A	S275	22.19	17.93	0.06	19 ACC /4/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
3	TRON60x5	S235	34.64	34.64	0.03	19 ACC /14/	-	-	-	-	-	-	-	-
4	HE100A	S275	39.46	31.87	0.05	4 ULS /1/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
6	HE100A	S275	32.06	25.89	0.05	19 ACC /1/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
7	HE100A	S275	49.32	39.84	0.04	19 ACC /8/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
8	HE100A	S275	49.32	39.84	0.06	4 ULS /1/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
10	HE100A	S275	22.19	35.85	0.08	4 ULS /1/	0.02	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
12	HE100A	S275	22.19	35.85	0.08	4 ULS /1/	0.02	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
14	HE100A	S275	22.19	35.85	0.07	4 ULS /1/	0.02	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
23	HE100A	S275	49.32	39.84	0.06	4 ULS /1/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
24	HE100A	S275	49.32	39.84	0.12	4 ULS /1/	-	-	-	-	0.01	7 SLS /1/	0.00	7 SLS /1/
25	HE100A	S275	69.05	55.77	0.08	19 ACC /12/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
26	HE100A	S275	69.05	55.77	0.09	19 ACC /1/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
27	HE100A	S275	39.46	63.74	0.17	19 ACC /13/	0.03	7 SLS /1/	0.06	7 SLS /1/	-	-	-	-
28	HE100A	S275	39.46	63.74	0.14	19 ACC /12/	0.02	7 SLS /1/	0.07	7 SLS /1/	-	-	-	-
29	HE100A	S275	39.46	63.74	0.23	19 ACC /1/	0.05	7 SLS /1/	0.08	7 SLS /1/	-	-	-	-
30	HE100A	S275	39.46	63.74	0.17	19 ACC /1/	0.04	7 SLS /1/	0.09	7 SLS /1/	-	-	-	-
41	HE100A	S275	22.19	17.93	0.06	19 ACC /10/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
42	HE100A	S275	39.46	31.87	0.08	4 ULS /1/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
43	HE100A	S275	32.06	25.89	0.14	19 ACC /6/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
44	HE100A	S275	49.32	39.84	0.13	19 ACC /16/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
45	HE100A	S275	22.19	35.85	0.08	4 ULS /1/	0.00	7 SLS /1/	0.02	7 SLS /1/	-	-	-	-
46	HE100A	S275	22.19	35.85	0.09	4 ULS /1/	0.00	7 SLS /1/	0.02	7 SLS /1/	-	-	-	-
47	HE100A	S275	22.19	35.85	0.11	19 ACC /8/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
48	HE100A	S275	24.66	39.84	0.02	19 ACC /17/	0.00	7 SLS /1/	0.00	7 SLS /2/	-	-	-	-
53	HE100A	S275	49.32	39.84	0.11	19 ACC /6/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
54	HE100A	S275	69.05	55.77	0.24	19 ACC /8/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
55	HE100A	S275	39.46	63.74	0.32	4 ULS /1/	0.02	7 SLS /1/	0.20	7 SLS /1/	-	-	-	-
56	HE100A	S275	39.46	63.74	0.32	4 ULS /1/	0.01	7 SLS /1/	0.20	7 SLS /1/	-	-	-	-
57	HE100A	S275	69.05	55.77	0.10	4 ULS /1/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
59	CAE50x5	S 275	113.89	113.89	0.28	19 ACC /14/	-	-	-	-	-	-	-	-
60	CAE50x5	S 275	113.89	113.89	0.31	19 ACC /6/	-	-	-	-	-	-	-	-
61	HE100A	S275	22.19	17.93	0.10	19 ACC /14/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
62	HE100A	S275	39.46	31.87	0.09	19 ACC /6/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
63	HE100A	S275	32.06	25.89	0.31	19 ACC /6/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
64	HE100A	S275	49.32	39.84	0.20	19 ACC /16/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
65	HE100A	S275	22.19	35.85	0.09	19 ACC /8/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
66	HE100A	S275	22.19	35.85	0.09	19 ACC /8/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
67	HE100A	S275	22.19	35.85	0.21	19 ACC /8/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
68	HE100A	S275	24.66	39.84	0.00	19 ACC /4/	0.00	7 SLS /1/	0.00	7 SLS /1/	-	-	-	-

73	HE100A	S275	49.32	39.84	0.25	19 ACC /16/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
74	HE100A	S275	69.05	55.77	0.27	19 ACC /16/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
75	HE100A	S275	39.46	63.74	0.33	4 ULS /1/	0.00	7 SLS /1/	0.21	7 SLS /1/	-	-	-	-
76	HE100A	S275	39.46	63.74	0.34	4 ULS /1/	0.00	7 SLS /1/	0.22	7 SLS /1/	-	-	-	-
77	HE100A	S275	69.05	55.77	0.20	19 ACC /6/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
81	HE100A	S275	22.19	17.93	0.06	19 ACC /8/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
82	HE100A	S275	39.46	31.87	0.09	4 ULS /1/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
83	HE100A	S275	32.06	25.89	0.17	19 ACC /16/	-	-	-	-	0.00	7 SLS /1/	0.01	7 SLS /1/
84	HE100A	S275	49.32	39.84	0.14	19 ACC /6/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
85	HE100A	S275	22.19	35.85	0.10	4 ULS /1/	0.01	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
86	HE100A	S275	22.19	35.85	0.10	4 ULS /1/	0.01	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
87	HE100A	S275	22.19	35.85	0.13	19 ACC /14/	0.01	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
88	HE100A	S275	24.66	39.84	0.02	19 ACC /17/	0.00	7 SLS /1/	0.00	7 SLS /1/	-	-	-	-
93	HE100A	S275	49.32	39.84	0.11	19 ACC /16/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
94	HE100A	S275	69.05	55.77	0.26	19 ACC /14/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
95	HE100A	S275	39.46	63.74	0.36	4 ULS /1/	0.01	7 SLS /1/	0.22	7 SLS /1/	-	-	-	-
96	HE100A	S275	39.46	63.74	0.36	4 ULS /1/	0.01	7 SLS /1/	0.23	7 SLS /1/	-	-	-	-
97	HE100A	S275	69.05	55.77	0.12	19 ACC /6/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
99	CAE50x5	S 275	113.89	113.89	0.31	19 ACC /8/	-	-	-	-	-	-	-	-
100	CAE50x5	S 275	113.89	113.89	0.35	19 ACC /6/	-	-	-	-	-	-	-	-
200	TCAR80x5	S235	43.56	43.56	0.04	4 ULS /1/	0.00	7 SLS /1/	0.02	7 SLS /1/	-	-	-	-
201	TCAR80x5	S235	43.56	43.56	0.08	4 ULS /1/	0.00	7 SLS /1/	0.04	7 SLS /1/	-	-	-	-
202	TCAR80x5	S235	43.56	43.56	0.06	19 ACC /12/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
203	TCAR80x5	S235	43.56	43.56	0.08	19 ACC /16/	0.01	7 SLS /1/	0.02	7 SLS /1/	-	-	-	-
204	HE100A	S275	10.60	17.13	0.05	19 ACC /8/	0.00	7 SLS /1/	0.00	7 SLS /1/	-	-	-	-
211	TCAR80x5	S235	61.41	61.41	0.04	4 ULS /1/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
212	TCAR80x5	S235	61.41	61.41	0.05	4 ULS /1/	0.00	7 SLS /1/	0.04	7 SLS /1/	-	-	-	-
213	TCAR80x5	S235	61.41	61.41	0.04	4 ULS /1/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
214	TCAR80x5	S235	61.41	61.41	0.05	4 ULS /1/	0.00	7 SLS /1/	0.04	7 SLS /1/	-	-	-	-
215	TCAR80x5	S235	61.41	61.41	0.04	4 ULS /1/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
216	TCAR80x5	S235	61.41	61.41	0.04	19 ACC /8/	0.00	7 SLS /1/	0.04	7 SLS /1/	-	-	-	-
217	TCAR80x5	S235	61.41	61.41	0.07	4 ULS /1/	0.00	7 SLS /1/	0.05	7 SLS /1/	-	-	-	-
218	TCAR80x5	S235	61.41	61.41	0.15	4 ULS /1/	0.00	7 SLS /1/	0.10	7 SLS /1/	-	-	-	-
219	TCAR80x5	S235	61.41	61.41	0.07	19 ACC /8/	0.00	7 SLS /1/	0.07	7 SLS /1/	-	-	-	-
220	TCAR80x5	S235	61.41	61.41	0.09	4 ULS /1/	0.00	7 SLS /1/	0.06	7 SLS /1/	-	-	-	-
221	TCAR80x5	S235	61.41	61.41	0.11	19 ACC /8/	0.00	7 SLS /1/	0.07	7 SLS /1/	-	-	-	-
228	TCAR80x5	S235	61.41	61.41	0.04	4 ULS /1/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
229	TCAR80x5	S235	61.41	61.41	0.05	4 ULS /1/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
230	TCAR80x5	S235	61.41	61.41	0.04	4 ULS /1/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
231	TCAR80x5	S235	61.41	61.41	0.05	4 ULS /1/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
232	TCAR80x5	S235	61.41	61.41	0.04	4 ULS /1/	0.00	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
233	TCAR80x5	S235	61.41	61.41	0.04	19 ACC /14/	0.00	7 SLS /1/	0.02	7 SLS /1/	-	-	-	-
234	TCAR80x5	S235	61.41	61.41	0.07	4 ULS /1/	0.00	7 SLS /1/	0.05	7 SLS /1/	-	-	-	-
235	TCAR80x5	S235	61.41	61.41	0.14	4 ULS /1/	0.00	7 SLS /1/	0.09	7 SLS /1/	-	-	-	-
236	TCAR80x5	S235	61.41	61.41	0.07	19 ACC /14/	0.00	7 SLS /1/	0.04	7 SLS /1/	-	-	-	-
237	TCAR80x5	S235	61.41	61.41	0.09	4 ULS /1/	0.00	7 SLS /1/	0.06	7 SLS /1/	-	-	-	-

238	TCAR80x5	S235	61.41	61.41	0.11	19 ACC /14/	0.00	7 SLS /1/	0.07	7 SLS /1/	-	-	-	-
245	TCAR80x5	S235	57.16	57.16	0.04	4 ULS /1/	0.01	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
246	TCAR80x5	S235	57.16	57.16	0.07	4 ULS /1/	0.01	7 SLS /1/	0.06	7 SLS /1/	-	-	-	-
247	TCAR80x5	S235	57.16	57.16	0.03	19 ACC /6/	0.01	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
248	TCAR80x5	S235	57.16	57.16	0.07	4 ULS /1/	0.01	7 SLS /1/	0.05	7 SLS /1/	-	-	-	-
249	TCAR80x5	S235	57.16	57.16	0.04	4 ULS /1/	0.01	7 SLS /1/	0.03	7 SLS /1/	-	-	-	-
250	TCAR80x5	S235	57.16	57.16	0.04	19 ACC /14/	0.01	7 SLS /1/	0.07	7 SLS /1/	-	-	-	-
251	TCAR80x5	S235	57.16	57.16	0.07	4 ULS /1/	0.00	7 SLS /1/	0.05	7 SLS /1/	-	-	-	-
252	TCAR80x5	S235	57.16	57.16	0.14	4 ULS /1/	0.00	7 SLS /1/	0.10	7 SLS /1/	-	-	-	-
253	TCAR80x5	S235	57.16	57.16	0.08	19 ACC /10/	0.01	7 SLS /1/	0.10	7 SLS /1/	-	-	-	-
254	TCAR80x5	S235	57.16	57.16	0.09	4 ULS /1/	0.00	7 SLS /1/	0.05	7 SLS /1/	-	-	-	-
272	CAE50x5	S 275	124.90	124.90	0.07	19 ACC /8/	-	-	-	-	-	-	-	-
273	CAE50x5	S 275	124.90	124.90	0.07	19 ACC /16/	-	-	-	-	-	-	-	-
274	CAE50x5	S 275	124.90	124.90	0.07	19 ACC /8/	-	-	-	-	-	-	-	-
275	CAE50x5	S 275	124.90	124.90	0.07	19 ACC /16/	-	-	-	-	-	-	-	-
288	CAE50x5	S 275	124.90	124.90	0.09	19 ACC /14/	-	-	-	-	-	-	-	-
289	CAE50x5	S 275	124.90	124.90	0.09	19 ACC /6/	-	-	-	-	-	-	-	-
290	CAE50x5	S 275	124.90	124.90	0.09	19 ACC /14/	-	-	-	-	-	-	-	-
291	CAE50x5	S 275	124.90	124.90	0.09	19 ACC /6/	-	-	-	-	-	-	-	-
292	CAE50x5	S 275	110.15	110.15	0.09	19 ACC /12/	-	-	-	-	-	-	-	-
293	CAE50x5	S 275	110.15	110.15	0.07	28 EX-0.3EY	-	-	-	-	-	-	-	-
294	CAE50x5	S 275	140.67	140.67	0.10	19 ACC /12/	-	-	-	-	-	-	-	-
295	CAE50x5	S 275	140.67	140.67	0.10	19 ACC /4/	-	-	-	-	-	-	-	-
297	CAE50x5	S 275	140.67	140.67	0.11	19 ACC /10/	-	-	-	-	-	-	-	-
298	CAE50x5	S 275	140.67	140.67	0.10	19 ACC /1/	-	-	-	-	-	-	-	-
299	CAE50x5	S 275	133.14	133.14	0.08	19 ACC /11/	-	-	-	-	-	-	-	-
300	CAE50x5	S 275	133.14	133.14	0.10	19 ACC /1/	-	-	-	-	-	-	-	-
303	CAE50x5	S 275	154.90	154.90	0.09	19 ACC /12/	-	-	-	-	-	-	-	-
304	CAE50x5	S 275	154.90	154.90	0.10	27 EX+0.3EY	-	-	-	-	-	-	-	-
305	CAE50x5	S 275	154.90	154.90	0.10	19 ACC /13/	-	-	-	-	-	-	-	-
306	CAE50x5	S 275	154.90	154.90	0.11	19 ACC /4/	-	-	-	-	-	-	-	-
311	CAE50x5	S 275	134.94	134.94	0.05	19 ACC /10/	-	-	-	-	-	-	-	-
312	CAE50x5	S 275	134.94	134.94	0.05	19 ACC /1/	-	-	-	-	-	-	-	-
313	CAE50x5	S 275	134.94	134.94	0.06	19 ACC /12/	-	-	-	-	-	-	-	-
314	CAE50x5	S 275	134.94	134.94	0.06	19 ACC /4/	-	-	-	-	-	-	-	-
315	CAE50x5	S 275	127.07	127.07	0.04	19 ACC /4/	-	-	-	-	-	-	-	-
316	CAE50x5	S 275	127.07	127.07	0.05	19 ACC /4/	-	-	-	-	-	-	-	-
319	CAE50x5	S 275	131.36	131.36	0.04	19 ACC /10/	-	-	-	-	-	-	-	-
320	CAE50x5	S 275	131.36	131.36	0.04	19 ACC /1/	-	-	-	-	-	-	-	-
321	CAE50x5	S 275	131.36	131.36	0.05	19 ACC /12/	-	-	-	-	-	-	-	-
322	CAE50x5	S 275	131.36	131.36	0.05	19 ACC /4/	-	-	-	-	-	-	-	-
323	CAE50x5	S 275	123.27	123.27	0.04	19 ACC /4/	-	-	-	-	-	-	-	-
324	CAE50x5	S 275	123.27	123.27	0.04	19 ACC /4/	-	-	-	-	-	-	-	-
327	CAE50x5	S 275	154.90	154.90	0.16	19 ACC /10/	-	-	-	-	-	-	-	-
328	CAE50x5	S 275	154.90	154.90	0.16	19 ACC /4/	-	-	-	-	-	-	-	-
329	CAE50x5	S 275	154.90	154.90	0.17	19 ACC /10/	-	-	-	-	-	-	-	-

330	CAE50x5	S 275	154.90	154.90	0.16	19 ACC /1/	-	-	-	-	-	-	-	-
333	CAE50x5	S 275	110.15	110.15	0.12	19 ACC /12/	-	-	-	-	-	-	-	-
334	CAE50x5	S 275	110.15	110.15	0.09	28 EX-0.3EY	-	-	-	-	-	-	-	-
335	CAE50x5	S 275	140.67	140.67	0.14	19 ACC /10/	-	-	-	-	-	-	-	-
336	CAE50x5	S 275	140.67	140.67	0.13	19 ACC /4/	-	-	-	-	-	-	-	-
337	CAE50x5	S 275	140.67	140.67	0.15	19 ACC /10/	-	-	-	-	-	-	-	-
338	CAE50x5	S 275	140.67	140.67	0.14	19 ACC /1/	-	-	-	-	-	-	-	-
339	CAE50x5	S 275	133.14	133.14	0.11	19 ACC /11/	-	-	-	-	-	-	-	-
340	CAE50x5	S 275	133.14	133.14	0.13	19 ACC /1/	-	-	-	-	-	-	-	-
341	TREC80x40x5	S235	48.33	85.76	0.34	4 ULS /1/	0.00	7 SLS /1/	0.09	7 SLS /1/	-	-	-	-
342	TREC80x40x5	S235	68.14	120.90	0.44	4 ULS /1/	0.00	7 SLS /1/	0.19	7 SLS /1/	-	-	-	-
343	TREC80x40x5	S235	68.14	120.90	0.46	4 ULS /1/	0.00	7 SLS /1/	0.12	7 SLS /1/	-	-	-	-
344	TREC80x40x5	S235	63.42	112.51	0.46	4 ULS /1/	0.00	7 SLS /1/	0.29	7 SLS /1/	-	-	-	-
345	TREC80x40x5	S235	48.33	85.76	0.32	4 ULS /1/	0.00	7 SLS /1/	0.09	7 SLS /1/	-	-	-	-
346	TREC80x40x5	S235	68.14	120.90	0.42	4 ULS /1/	0.00	7 SLS /1/	0.18	7 SLS /1/	-	-	-	-
347	TREC80x40x5	S235	68.14	120.90	0.43	4 ULS /1/	0.00	7 SLS /1/	0.12	7 SLS /1/	-	-	-	-
348	TREC80x40x5	S235	63.42	112.51	0.44	4 ULS /1/	0.00	7 SLS /1/	0.27	7 SLS /1/	-	-	-	-
373	HE100A	S275	13.56	21.91	0.02	19 ACC /14/	0.00	7 SLS /1/	0.00	7 SLS /1/	-	-	-	-
374	TCAR80x5	S235	29.48	29.48	0.03	4 ULS /1/	0.00	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
376	HE100A	S275	22.07	35.65	0.03	4 ULS /1/	0.01	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
379	HE100A	S275	13.56	21.91	0.02	19 ACC /8/	0.00	7 SLS /1/	0.00	7 SLS /1/	-	-	-	-
380	TCAR80x5	S235	27.84	27.84	0.03	4 ULS /1/	0.00	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
405	CAE50x5	S 275	127.83	127.83	0.13	19 ACC /10/	-	-	-	-	-	-	-	-
406	CAE50x5	S 275	127.83	127.83	0.10	19 ACC /4/	-	-	-	-	-	-	-	-
407	CAE50x5	S 275	148.09	148.09	0.12	19 ACC /11/	-	-	-	-	-	-	-	-
408	CAE50x5	S 275	148.09	148.09	0.15	19 ACC /4/	-	-	-	-	-	-	-	-
409	TCAR80x5	S235	32.75	32.75	0.04	19 ACC /14/	0.00	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
410	TCAR80x5	S235	32.75	32.75	0.04	4 ULS /1/	0.00	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
411	TRON60x5	S235	30.98	30.98	0.03	4 ULS /1/	-	-	-	-	-	-	-	-
412	TRON60x5	S235	57.88	57.88	0.05	4 ULS /1/	-	-	-	-	-	-	-	-
413	HE100A	S275	22.19	17.93	0.06	19 ACC /10/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
414	HE100A	S275	39.46	31.87	0.04	19 ACC /12/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
415	HE100A	S275	32.06	25.89	0.04	19 ACC /12/	-	-	-	-	0.00	7 SLS /1/	0.00	7 SLS /1/
416	HE100A	S275	22.19	35.85	0.05	19 ACC /12/	0.01	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
417	HE100A	S275	22.19	35.85	0.05	19 ACC /12/	0.01	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
418	HE100A	S275	22.19	35.85	0.05	19 ACC /16/	0.01	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
419	TCAR80x5	S235	43.56	43.56	0.03	19 ACC /10/	0.00	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
420	TCAR80x5	S235	43.56	43.56	0.03	4 ULS /1/	0.00	7 SLS /1/	0.02	7 SLS /1/	-	-	-	-
421	TCAR80x5	S235	43.56	43.56	0.04	4 ULS /1/	0.00	7 SLS /1/	0.02	7 SLS /1/	-	-	-	-
422	TCAR80x5	S235	43.56	43.56	0.03	4 ULS /1/	0.00	7 SLS /1/	0.02	7 SLS /1/	-	-	-	-
423	TCAR80x5	S235	43.56	43.56	0.02	4 ULS /1/	0.00	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
424	TCAR80x5	S235	43.56	43.56	0.02	4 ULS /1/	0.00	7 SLS /1/	0.01	7 SLS /1/	-	-	-	-
425	CAE50x5	S 275	102.74	102.74	0.05	19 ACC /10/	-	-	-	-	-	-	-	-
426	CAE50x5	S 275	102.74	102.74	0.04	19 ACC /10/	-	-	-	-	-	-	-	-
427	CAE50x5	S 275	97.99	97.99	0.04	19 ACC /10/	-	-	-	-	-	-	-	-
428	CAE50x5	S 275	97.99	97.99	0.04	19 ACC /10/	-	-	-	-	-	-	-	-

429	TREC80x40x5	S235	48.33	85.76	0.18	4 ULS /1/	0.00	7 SLS /1/	0.04	7 SLS /1/	-	-	-	-
430	TREC80x40x5	S235	68.14	120.90	0.23	4 ULS /1/	0.00	7 SLS /1/	0.09	7 SLS /1/	-	-	-	-
431	TREC80x40x5	S235	68.14	120.90	0.24	4 ULS /1/	0.00	7 SLS /1/	0.07	7 SLS /1/	-	-	-	-
432	TREC80x40x5	S235	63.42	112.51	0.26	4 ULS /1/	0.00	7 SLS /1/	0.12	7 SLS /1/	-	-	-	-
433	TREC80x40x5	S235	48.33	85.76	0.18	4 ULS /1/	0.00	7 SLS /1/	0.04	7 SLS /1/	-	-	-	-
434	TREC80x40x5	S235	68.14	120.90	0.23	4 ULS /1/	0.00	7 SLS /1/	0.09	7 SLS /1/	-	-	-	-
435	TREC80x40x5	S235	68.14	120.90	0.24	4 ULS /1/	0.00	7 SLS /1/	0.07	7 SLS /1/	-	-	-	-
436	TREC80x40x5	S235	63.42	112.51	0.26	4 ULS /1/	0.00	7 SLS /1/	0.12	7 SLS /1/	-	-	-	-
437	TREC80x40x5	S235	48.33	85.76	0.18	4 ULS /1/	0.00	7 SLS /1/	0.04	7 SLS /1/	-	-	-	-
438	TREC80x40x5	S235	68.14	120.90	0.23	4 ULS /1/	0.00	7 SLS /1/	0.09	7 SLS /1/	-	-	-	-
439	TREC80x40x5	S235	68.14	120.90	0.24	4 ULS /1/	0.00	7 SLS /1/	0.07	7 SLS /1/	-	-	-	-
440	TREC80x40x5	S235	63.42	112.51	0.26	4 ULS /1/	0.00	7 SLS /1/	0.12	7 SLS /1/	-	-	-	-

ΤΥΠΙΚΗ ΕΔΡΑΣΗ ΥΠΟΣΤΥΛΩΜΑΤΩΝ HEA100

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Company:		Page:	1
Specifier:		Project:	
Address:		Sub-Project I Pos. No.:	
Phone I Fax:	|	Date:	18/11/2019
E-Mail:			

Specifier's comments:

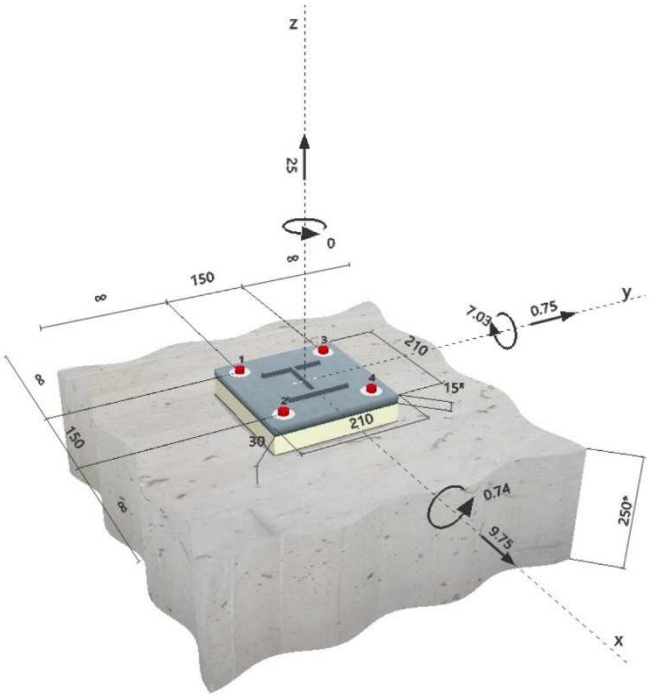
1 Input data



Anchor type and diameter:	**HIT-HY 200 + HIT-V (8.8) M16**
Seismic/Filling set or any suitable annular gap filling solution	
Effective embedment depth:	$h_{ef,act}$ = 150 mm ($h_{ef,limit}$ = - mm)
Material:	8.8
Evaluation Service Report:	ETA 11/0493
Issued I Valid:	8/7/2019 | -
Proof:	SOFA design method + fib (07/2011) - after ETAG BOND testing
Stand-off installation:	without clamping (anchor); restraint level (anchor plate): 2.00; e_b = 30 mm; t = 15 mm
	Hilti Grout: , multipurpose, $f_{c,Grout}$ = 30.00 N/mm²
Anchor plate:	l_x x l_y x t = 210 mm x 210 mm x 15 mm; (Recommended plate thickness: not calculated
Profile:	IPBi/HEA, IPBI 100 / HE 100 A; (L x W x T x FT) = 96 mm x 100 mm x 5 mm x 8 mm
Base material:	cracked concrete, C25/30, $f_{c,cyl}$ = 25.00 N/mm²; h = 250 mm, Temp. short/long: 40/24 °C
Installation:	**hammer drilled hole, Installation condition: Dry**
Reinforcement:	no reinforcement or reinforcement spacing >= 150 mm (any Ø) or >= 100 mm (Ø <= 10 mm)
	no longitudinal edge reinforcement
	Reinforcement to control splitting according to fib (07/2011), 16.1.5 present

[R] - The anchor calculation is based on a rigid anchor plate assumption.

Geometry [mm] & Loading [kN, kNm]



Input data and results must be checked for agreement with the existing conditions and for plausibility!
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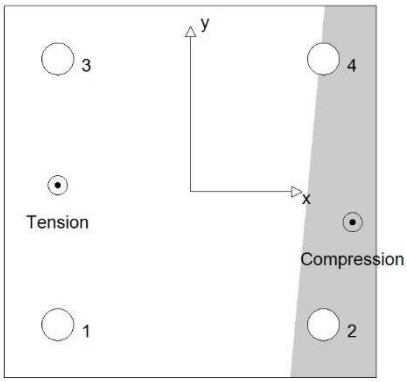
Company: Page: 2
Specifier: Project:
Address: Sub-Project I Pos. No.:
Phone I Fax: | Date: 18/11/2019
E-Mail:

1.1 Load combination

Case	Description	Forces [kN] / Moments [kNm]	Seismic	Fire	Max. Util. [%]
1	Combination 3	V_x = 17.680; V_y = 10.660; N = -39.700; M_x = 0.740; M_y = 7.000; M_z = 0.000;	no	no	66
2	**Combination 1**	**V_x = 9.750; V_y = 0.750; N = 25.000; M_x = 0.740; M_y = 7.030; M_z = 0.000;**	**no**	**no**	**97**

2 Load case/Resulting anchor forces

Load case: Design loads



Anchor reactions [kN]
Tension force: (+Tension, -Compression)

Anchor	Tension force	Shear force	Shear force x	Shear force y
1	26.598	2.445	2.438	0.188
2	0.000	2.445	2.438	0.188
3	29.371	2.445	2.438	0.188
4	0.000	2.445	2.438	0.188

max. concrete compressive strain: 0.31 [‰]
max. concrete compressive stress: 9.26 [N/mm²]
resulting tension force in (x/y)=(-75/4): 55.969 [kN]
resulting compression force in (x/y)=(91/-17): 30.969 [kN]

Anchor forces are calculated based on the assumption of a rigid anchor plate.

3 Tension load SOFA (fib (07/2011), section 16.2.1)

	Load [kN]	Capacity [kN]	Utilization β_N [%]	Status
Steel Strength*	29.371	83.733	36	OK
Combined pullout-concrete cone failure**	55.969	58.290	97	OK
Concrete Breakout Strength**	55.969	61.849	91	OK
Splitting failure**	N/A	N/A	N/A	N/A

* anchor having the highest loading **anchor group (anchors in tension)

3.1 Steel Strength

$N_{Rk,s}$ [kN]	$\gamma_{M,s}$	$N_{Rd,s}$ [kN]	N_{Sd} [kN]
125.600	1.500	83.733	29.371

3.2 Combined pullout-concrete cone failure

$A_{p,N}$ [mm²]	$A^0_{p,N}$ [mm²]	$\psi_{A,Np}$	$\tau_{Rk,ucr,25}$ [N/mm²]	$s_{cr,Np}$ [mm]	$c_{cr,Np}$ [mm]	c_{min} [mm]
270,000	202,500	1.333	18.00	450	225	∞

ψ_c	$\tau_{Rk,cr}$ [N/mm²]	max $\tau_{Rk,cr}$ [N/mm²]	$\psi^0_{g,Np}$	$\psi_{g,Np}$
1.020	8.67	9.38	1.046	1.019

$e_{c1,N}$ [mm]	$\psi_{ec1,Np}$	$e_{c2,N}$ [mm]	$\psi_{ec2,Np}$	$\psi_{s,Np}$	$\psi_{re,Np}$
0	1.000	4	0.984	1.000	1.000

$N^0_{Rk,p}$ [kN]	$N_{Rk,p}$ [kN]	$\gamma_{M,p}$	$N_{Rd,p}$ [kN]	N_{Sd} [kN]
65.387	87.435	1.500	58.290	55.969

Input data and results must be checked for agreement with the existing conditions and for plausibility!
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3.3 Concrete Breakout Strength

$A_{c,N}$ [mm²]	$A^0_{c,N}$ [mm²]	$\psi_{A,N}$	$c_{cr,N}$ [mm]	$s_{cr,N}$ [mm]	
270,000	202,500	1.333	225	450	
$e_{c1,N}$ [mm]	$\psi_{ec1,N}$	$e_{c2,N}$ [mm]	$\psi_{ec2,N}$	$\psi_{s,N}$	$\psi_{re,N}$
0	1.000	4	0.984	1.000	1.000
k_1	$N^0_{Rk,c}$ [kN]	$\gamma_{M,c}$	$N_{Rd,c}$ [kN]	N_{Sd} [kN]	
7.700	70.729	1.500	61.849	55.969	

Input data and results must be checked for agreement with the existing conditions and for plausibility!
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4 Shear load SOFA (fib (07/2011), section 16.2.2)

	Load [kN]	Capacity [kN]	Utilization β_V [%]	Status
Steel Strength (without lever arm)*	2.445	50.240	5	OK
Steel failure (with lever arm)*	2.445	6.082	41	OK
Pryout Strength**	9.779	162.271	7	OK
Concrete edge failure in direction **	N/A	N/A	N/A	N/A

* anchor having the highest loading **anchor group (relevant anchors)

4.1 Steel Strength (without lever arm)

$V_{Rk,s}$ [kN]	$\gamma_{M,s}$	$V_{Rd,s}$ [kN]	V_{Sd} [kN]
62.800	1.250	50.240	2.445

4.2 Steel failure (with lever arm)

l [mm]	α_M
46	2.00

$N_{Sd} / N_{Rd,s}$	$1 - N_{Sd} / N_{Rd,s}$	$M^0_{Rk,s}$ [kNm]	$M_{Rk,s} = M^0_{Rk,s} (1 - N_{Sd}/N_{Rd,s})$ [kNm]
0.351	0.649	0.266	0.173

$V^M_{Rk,s} = \alpha_M * M_{Rk,s} / l$ [kN]	$\gamma_{Ms,b,V}$	$V^M_{Rd,s}$ [kN]	V_{Sd} [kN]
7.602	1.250	6.082	2.445

4.3 Pryout Strength (Bond Strength controls)

$A_{p,N}$ [mm²]	$A^0_{p,N}$ [mm²]	$\psi_{A,Np}$	$\tau_{Rk,ucr,25}$ [N/mm²]	$c_{cr,Np}$ [mm]	$s_{cr,Np}$ [mm]	c_{min} [mm]
360,000	202,500	1.778	18.00	225	450	∞

ψ_c	$\tau_{Rk,cr}$ [N/mm²]	max $\tau_{Rk,cr}$ [N/mm²]	k_4	$\psi^0_{g,Np}$	$\psi_{g,Np}$
1.020	8.67	9.38	2.000	1.111	1.047

$e_{c1,V}$ [mm]	$\psi_{ec1,Np}$	$e_{c2,V}$ [mm]	$\psi_{ec2,Np}$	$\psi_{s,Np}$	$\psi_{re,Np}$
0	1.000	0	1.000	1.000	1.000

$N^0_{Rk,p}$ [kN]	$N_{Rk,p}$ [kN]	$\gamma_{M,c,p}$	$V_{Rd,cp}$ [kN]	V_{Sd} [kN]
65.387	121.703	1.500	162.271	9.779

5 Combined tension and shear loads SOFA (fib (07/2011), section 10.3)

	β_N	β_V	α	Utilization $\beta_{N,V}$ [%]	Status
Steel without lever arm	0.351	0.049	2.000	13	OK
Steel with lever arm	0.141	0.261	1.000	41	OK
concrete	0.960	0.060	1.500	96	OK

$\beta_N^\alpha + \beta_V^\alpha <= 1$

Input data and results must be checked for agreement with the existing conditions and for plausibility!
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6 Displacements (highest loaded anchor)

Short term loading:

N_{Sk}	=	21.756 [kN]	δ_N	=	0.202 [mm]
V_{Sk}	=	1.811 [kN]	δ_V	=	0.072 [mm]
			δ_{NV}	=	0.215 [mm]

Long term loading:

N_{Sk}	=	21.756 [kN]	δ_N	=	0.462 [mm]
V_{Sk}	=	1.811 [kN]	δ_V	=	0.109 [mm]
			δ_{NV}	=	0.474 [mm]

Comments: Tension displacements are valid with half of the required installation torque moment for uncracked concrete! Shear displacements are valid without friction between the concrete and the anchor plate! The gap due to the drilled hole and clearance hole tolerances are not included in this calculation!

The acceptable anchor displacements depend on the fastened construction and must be defined by the designer!

7 Warnings

- The anchor design methods in PROFIS Anchor require rigid anchor plates per current regulations (ETAG 001/Annex C, EOTA TR029, etc.). This means load re-distribution on the anchors due to elastic deformations of the anchor plate are not considered - the anchor plate is assumed to be sufficiently stiff, in order not to be deformed when subjected to the design loading. PROFIS Anchor calculates the minimum required anchor plate thickness with FEM to limit the stress of the anchor plate based on the assumptions explained above. The proof if the rigid anchor plate assumption is valid is not carried out by PROFIS Anchor. Input data and results must be checked for agreement with the existing conditions and for plausibility!
- The accessory list in this report is for the information of the user only. In any case, the instructions for use provided with the product have to be followed to ensure a proper installation.
- Bore hole cleaning must be performed according to instructions for use (blow twice with oil-free compressed air (min. 6 bar), brush twice, blow twice with oil-free compressed air (min. 6 bar)).
- Characteristic bond resistances depend on short- and long-term temperatures.
- Please contact Hilti to check feasibility of HIT-V rod supply.
- The design method fib (07/2011) assumes that no hole clearance between the anchors and the fixture is present. This can be achieved by filling the gap with mortar of sufficient compressive strength (e.g. by using the HILTI Seismic/Filling set) or by other suitable means
- The compliance with current standards (e.g. EC3) is the responsibility of the user
- Checking the transfer of loads into the base material is required in accordance with fib (07/2011)!

Fastening meets the design criteria!

Input data and results must be checked for agreement with the existing conditions and for plausibility!
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8 Installation data

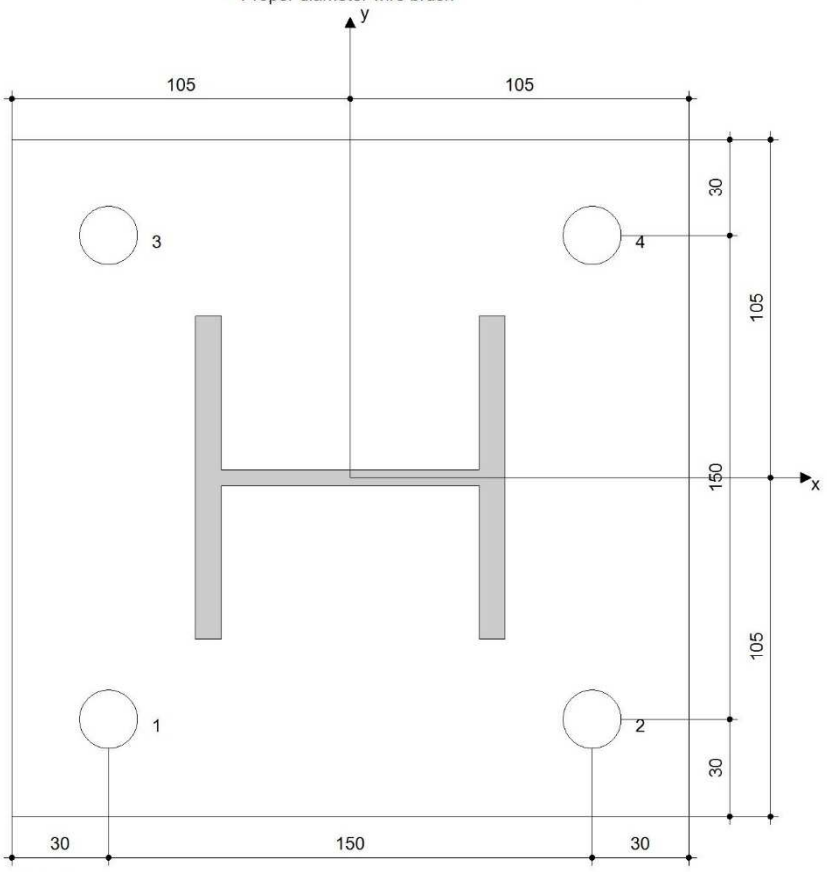
Anchor plate, steel: -
Profile: IPBi/HEA, IPBl 100 / HE 100 A; (L x W x T x FT) = 96 mm x 100 mm x 5 mm x 8 mm
Hole diameter in the fixture: d_f = 18 mm
Plate thickness (input): 15 mm
Recommended plate thickness: not calculated
Drilling method: Hammer drilled
Cleaning: Compressed air cleaning of the drilled hole according to instructions for use is required

Anchor type and diameter: HIT-HY 200 + HIT-V (8.8) M16
Installation torque: 0.080 kNm

Hole diameter in the base material: 18 mm
Hole depth in the base material: 150 mm
Minimum thickness of the base material: 186 mm

8.1 Recommended accessories

Drilling	Cleaning	Setting
• Suitable Rotary Hammer • Properly sized drill bit	• Compressed air with required accessories to blow from the bottom of the hole • Proper diameter wire brush	• Dispenser including cassette and mixer • Seismic/Filling set • Torque wrench



Coordinates Anchor [mm]

Anchor	x	y	c_{-x}	c_{+x}	c_{-y}	c_{+y}
1	-75	-75	-	-	-	-
2	75	-75	-	-	-	-
3	-75	75	-	-	-	-
4	75	75	-	-	-	-

Input data and results must be checked for agreement with the existing conditions and for plausibility!
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9 Remarks; Your Cooperation Duties

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ΣΥΝΔΕΣΗ ΚΑΤΑΚΟΡΥΦΩΝ ΣΥΝΔΕΣΜΩΝ ΔΥΣΚΑΜΨΙΑΣ

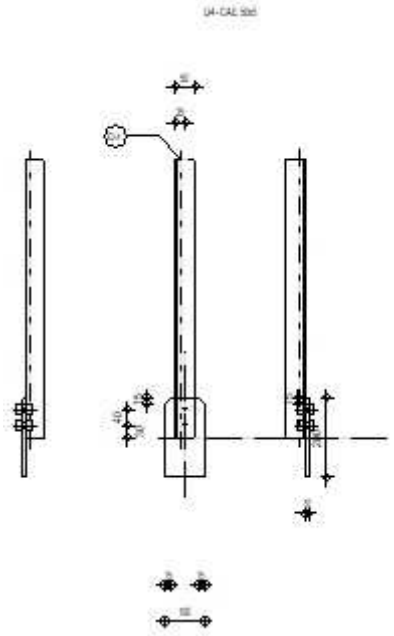
Autodesk Robot Structural Analysis Professional 2019

Calculations of the connection with the gusset plate

EN 1993-1-8:2005/AC:2009

OK

Ratio **0.54**



GENERAL

Connection no.: 25
Connection name: L50/5 with 2 bolts

GEOMETRY

BARS

		Bar 4					
Section:		CAE 50x5					
	h	50					mm
	b_f	50					mm
	t_w	5					mm
	t_f	5					mm
	r	7					mm
	A	4.80					cm2
Material:		S 275					
	f_y	275.00					MPa
	f_u	430.00					MPa
Angle	α	90.0					Deg

BOLTS

Bar 4

The shear plane passes through the THREADED portion of the bolt.

Class =	8.8		Bolt class
d =	12	[mm]	Bolt diameter
d_0 =	13	[mm]	Bolt opening diameter
A_s =	0.84	[cm^2]	Effective section area of a bolt
A_v =	1.13	[cm^2]	Area of bolt section
f_{yb} =	640.00	[MPa]	Yield point
f_{ub} =	800.00	[MPa]	Bolt tensile resistance
n =	2		Number of bolt columns

Bolt spacing 40 [mm]

e_1 =	30	[mm]	Distance of the center of gravity of first bolt from the member end
e_2 =	25	[mm]	Distance of the axis of bolts from the member edge
e_c =	0	[mm]	Distance of the member end from the point of intersection of member axes

WELDS

Fillet welds of the gusset plate

b =	3	[mm]	Edge b

GUSSET PLATE

l_p =	100	[mm]	Plate length
h_p =	200	[mm]	Plate height
t_p =	10	[mm]	Plate thickness

Parameters

h_1 =	15	[mm]	Cut
v_1 =	15	[mm]	Cut
h_2 =	15	[mm]	Cut
v_2 =	15	[mm]	Cut
h_3 =	0	[mm]	Cut
v_3 =	0	[mm]	Cut
h_4 =	0	[mm]	Cut
v_4 =	0	[mm]	Cut

Center of gravity of the plate with respect to the center of gravity of bars (50;99)

e_V =	100	[mm]	Vertical distance of the plate edge from the point of intersection of member axes
e_H =	41	[mm]	Horizontal distance of the plate edge from the point of intersection of member axes

Material: S 275

f_y =	275.00	[MPa]	Resistance

MATERIAL FACTORS

γ_{M0} =	1.00	Partial safety factor	[2.2]
γ_{M2} =	1.25	Partial safety factor	[2.2]

LOADS

Case: Manual calculations.

$N_{b4,Ed}$ =	30.00	[kN]	Axial force

RESULTS

BAR 4

BOLT CAPACITIES

$F_{v,Rd}$ =	32.37	[kN]	Shear resistance of the shank of a single bolt	$F_{v,Rd}= 0.6*f_{ub}*A_s*m/\gamma_{M2}$

Bolt bearing on the bar

Direction x

k_{1x} =	2.50	Coefficient for calculation of $F_{b,Rd}$		$k_{1x}=\min[2.8*(e_2/d_0)-1.7, 2.5]$
k_{1x} > 0.0		2.50 > 0.00	verified	
α_{bx} =	0.77	Coefficient determined by bolt spacing		$\alpha_{bx}=\min[e_1/(3*d_0), p_1/(3*d_0)-0.25, f_{ub}/f_u, 1]$
α_{bx} > 0.0		0.77 > 0.00	verified	
$F_{b,Rd1x}$ = 39.69	[kN]	Design capacity in the limit state of plastification of the opening wall		$F_{b,Rd1x}=k_{1x}*\alpha_{bx}*f_u*d*t_i/\gamma_{M2}$

Direction z

k_{1z} =	2.50	Coefficient for calculation of $F_{b,Rd}$		$k_{1z}=\min[2.8*(e_1/d_0)-1.7, 1.4*(p_1/d_0)-1.7, 2.5]$
k_{1z} > 0.0		2.50 > 0.00	verified	
α_{bz} =	0.64	Coefficient for calculation of $F_{b,Rd}$		$\alpha_{bz}=\min[e_2/(3*d_0), f_{ub}/f_u, 1]$
α_{bz} > 0.0		0.64 > 0.00	verified	
$F_{b,Rd1z}$ =	33.08 [kN]	Bearing resistance of a single bolt		$F_{b,Rd1z}=k_{1z}*\alpha_{bz}*f_u*d*t_i/\gamma_{M2}$

Bolt bearing on the plate

Direction x

k_{1x} =	2.50	Coefficient for calculation of $F_{b,Rd}$		$k_1=\min[2.8*(e_2/d_0)-1.7, 2.5]$
k_{1x} > 0.0		2.50 > 0.00	verified	
α_{bx} =	0.77	Coefficient determined by bolt spacing		$\alpha_{bx}=\min[e_1/(3*d_0), p_1/(3*d_0)-0.25, f_{ub}/f_u, 1]$
α_{bx} > 0.0		0.77 > 0.00	verified	
$F_{b,Rd2x}$ = 79.38	[kN]	Design capacity in the limit state of plastification of the opening wall		$F_{b,Rd2x}=k_1*\alpha_b*f_u*d*t_i/\gamma_{M2}$

Direction z

k_{1z} =	2.50	Coefficient for calculation of $F_{b,Rd}$		$k_{1z}=\min[2.8*(e_1/d_0)-1.7, 1.4*(p_1/d_0)-1.7, 2.5]$
k_{1z} > 0.0		2.50 > 0.00	verified	
α_{bz} =	1.00	Coefficient for calculation of $F_{b,Rd}$		$\alpha_{bz}=\min[e_2/(3*d_0), f_{ub}/f_u, 1]$
α_{bz} > 0.0		1.00 > 0.00	verified	
$F_{b,Rd2z}$ =	103.20 [kN]	Bearing resistance of a single bolt		$F_{b,Rd2z}=k_{1z}*\alpha_{bz}*f_u*d*t_i/\gamma_{M2}$

VERIFICATION OF A CONNECTION DUE TO FORCES ACTING ON BOLTS

Bolt shear

e =	11 [mm]	Axial force eccentricity relative to the bolt axis		
M_0 =	0.33 [kN*m]	Real bending moment		$M_0=N_{b4,Ed}*e$
F_{NSd} = 15.00	[kN]	Component force in a bolt due to influence of the longitudinal force		$F_{NSd} = N_{b4,Ed}/n$
F_{MSd} = 8.22	[kN]	Component force in a bolt due to influence of the moment		$F_{MSd}=M_0*x_{max}/\Sigma x_i^2$
$F_{x,Ed}$ = 15.00	[kN]	Design total force in a bolt on the direction x		$F_{x,Ed} = F_{NSd}$
$F_{z,Ed}$ = 8.22	[kN]	Design total force in a bolt on the direction z		$F_{z,Ed} = F_{MSd}$
F_{Ed} = 17.11	[kN]	Resultant shear force in a bolt		$F_{Ed} = \sqrt{(F_{x,Ed}^2 + F_{z,Ed}^2)}$
F_{Rdx} = 39.69	[kN]	Effective design capacity of a bolt on the direction x		$F_{Rdx}=\min(F_{bRd1x}, F_{bRd2x})$
F_{Rdz} = 33.08	[kN]	Effective design capacity of a bolt on the direction z		$F_{Rdz}=\min(F_{bRd1z}, F_{bRd2z})$
$\lvert F_{x,Ed}\rvert \le F_{Rdx}$		|15.00| < 39.69	verified	(0.38)
$\lvert F_{z,Ed}\rvert \le F_{Rdz}$		|8.22| < 33.08	verified	(0.25)
$F_{Ed} \le F_{vRd}$		17.11 < 32.37	verified	(0.53)

VERIFICATION OF A SECTION WEAKENED BY OPENINGS

β_2 =	0.47	Reduction coefficient		[Table 3.8]
A_{net} =	4.15 [cm^2]	Net cross-sectional area		$A_{net} = A - d_0*t_{f4}$
$N_{u,Rd}$ =	67.03 [kN]	Design plastic resistance of the net section		$N_{u,Rd} = (\beta_2*A_{net}*f_{u4})/\gamma_{M2}$
$N_{pl,Rd}$ =	118.86 [kN]	Design plastic resistance of the gross section		$N_{pl,Rd} = (0.9*A*f_{y4})/\gamma_{M2}$
$\lvert N_{b4,Ed}\rvert \le N_{u,Rd}$		|30.00| < 67.03	verified	(0.45)
$\lvert N_{b4,Ed}\rvert \le N_{pl,Rd}$		|30.00| < 118.86	verified	(0.25)

BAR VERIFICATION - BLOCK TEARING

A_{nt} =	0.92 [cm^2]	Net area of the section in tension		
A_{nv} =	2.52 [cm^2]	Area of the section in shear		
V_{effRd} = 56.00	[kN]	Design capacity of a section weakened by openings		$V_{effRd}=0.5*f_u*A_{nt}/\gamma_{M2} + (1/\sqrt{3})*f_y*A_{nv}/\gamma_{M0}$
$\lvert N_{b4,Ed}\rvert \le V_{effRd}$		|30.00| < 56.00	verified	(0.54)

CONNECTION OF PLATE

VERIFICATION OF FILLET WELDS

e =	9	[mm]	Axial force eccentricity relative to the centroid of a weld group		
M_0 =	0.14	[kN*m]	Real bending moment		$M_0 = 0.5*N_{b1,Ed}*\sin(\alpha)*e$
A_w =	3.00	[cm^2]	Weld area		$A_w = a*l$
σ =	77.00	[MPa]	Normal stress in a weld		$\sigma = 0.5*N_{b1,Ed}*\sin(\alpha)/A_w + M_0/W_{yw}$
$\sigma_\perp$ =	54.45	[MPa]	Normal perpendicular stress in the weld		$\sigma_\perp = \sigma/\sqrt{2}$
$\lvert\sigma_\perp\rvert \le 0.9*f_u/\gamma_{M2}$			$\lvert 54.45\rvert < 309.60$	verified	(0.18)
$\tau_\perp$ =	54.45	[MPa]	Perpendicular tangent stress		$\tau_\perp = \sigma_\perp$
β_w =	0.85		Correlation coefficient		[Table 4.1]
$\sqrt{[\sigma_\perp^2+3*\tau_\perp^2]} \le f_u/(\beta_w*\gamma_{M2})$			$108.89 < 404.71$	verified	(0.27)

Connection conforms to the code	Ratio	0.54

ΣΥΝΔΕΣΗ ΔΟΚΟΥ HEA100 – ΥΠΟΣΤΥΛΩΜΑΤΟΣ HEA100

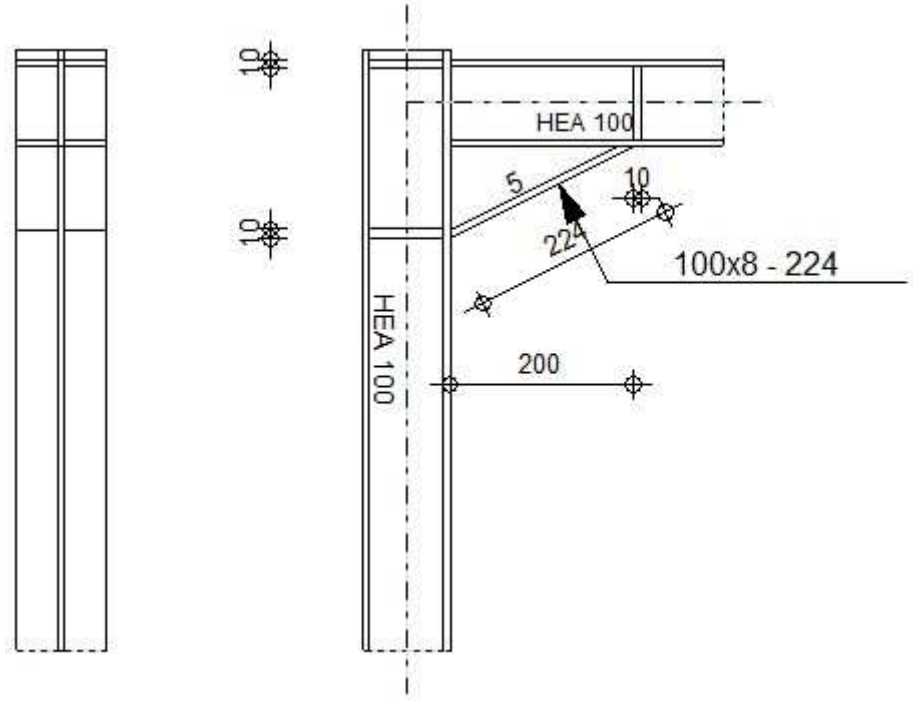
Autodesk Robot Structural Analysis Professional 2019

Design of welded beam-to-column connection

EN 1993-1-8:2005/AC:2009

OK

Ratio **0.71**



GENERAL

Connection no.: 27
Connection name: HEA100 beam to column_fixed

GEOMETRY

COLUMN

Section:	HEA 100		
α =	-90.0	[Deg]	Inclination angle
h_c =	96	[mm]	Height of column section
b_{fc} =	100	[mm]	Width of column section
t_{wc} =	5	[mm]	Thickness of the web of column section
t_{fc} =	8	[mm]	Thickness of the flange of column section
r_c =	12	[mm]	Radius of column section fillet
A_c =	21.24	[cm^2]	Cross-sectional area of a column
I_{xc} =	349.23	[cm^4]	Moment of inertia of the column section
Material:	S 275		
f_{yc} =	275.00	[MPa]	Resistance

BEAM

Section: HEA 100

α =	0.0	[Deg]	Inclination angle
h_b =	96	[mm]	Height of beam section
b_f =	100	[mm]	Width of beam section
t_{wb} =	5	[mm]	Thickness of the web of beam section
t_{fb} =	8	[mm]	Thickness of the flange of beam section
r_b =	12	[mm]	Radius of beam section fillet
r_b =	12	[mm]	Radius of beam section fillet
A_b =	21.24	[cm^2]	Cross-sectional area of a beam
I_{xb} =	349.23	[cm^4]	Moment of inertia of the beam section
Material:	S 275		
f_{yb} =	275.00	[MPa]	Resistance

LOWER STIFFENER

w_d =	100	[mm]	Plate width
t_{fd} =	8	[mm]	Flange thickness
h_d =	100	[mm]	Plate height
t_{wd} =	5	[mm]	Web thickness
l_d =	200	[mm]	Plate length
α =	26.6	[Deg]	Inclination angle
Material:	Steel		
f_{ybu} =	235.00	[MPa]	Resistance

COLUMN STIFFENER

Upper

h_{su} =	80	[mm]	Stiffener height
b_{su} =	48	[mm]	Stiffener width
t_{hu} =	10	[mm]	Stiffener thickness
Material:	Steel		
f_{ysu} =	235.00	[MPa]	Resistance

Lower

h_{sd} =	80	[mm]	Stiffener height
b_{sd} =	48	[mm]	Stiffener width
t_{hd} =	10	[mm]	Stiffener thickness
Material:	Steel		
f_{ysu} =	235.00	[MPa]	Resistance

FILLET WELDS

a_w =	3	[mm]	Web weld
a_f =	5	[mm]	Flange weld
a_s =	5	[mm]	Stiffener weld
a_{fd} =	5	[mm]	Horizontal weld

MATERIAL FACTORS

γ_{M0} =	1.00	Partial safety factor	[2.2]
γ_{M1} =	1.00	Partial safety factor	[2.2]
γ_{M2} =	1.25	Partial safety factor	[2.2]
γ_{M3} =	1.25	Partial safety factor	[2.2]

LOADS

Ultimate limit state

Case:	Manual calculations.		
$M_{b1,Ed}$ =	15.00	[kN*m]	Bending moment in the right beam
$V_{b1,Ed}$ =	30.00	[kN]	Shear force in the right beam
$N_{b1,Ed}$ =	30.00	[kN]	Axial force in the right beam

RESULTS

BEAM RESISTANCES

TENSION

A_b =	21.24	[cm^2]	Area		EN1993-1-1:[6.2.3]
$N_{tb,Rd} = A_b f_{yb} / \gamma_{M0}$					
$N_{tb,Rd}$ =	583.99	[kN]	Design tensile resistance of the section		EN1993-1-1:[6.2.3]
$N_{b1,Ed} / N_{tb,Rd} \leq 1,0$			0.05 < 1.00	verified	(0.05)

SHEAR

A_{vb} =	12.56	[cm^2]	Shear area		EN1993-1-1:[6.2.6.(3)]
$V_{cb,Rd} = A_{vb} (f_{yb} / \sqrt{3}) / \gamma_{M0}$					
$V_{cb,Rd}$ =	199.35	[kN]	Design sectional resistance for shear		EN1993-1-1:[6.2.6.(2)]
$V_{b1,Ed} / V_{cb,Rd} \leq 1,0$			0.15 < 1.00	verified	(0.15)

BENDING - PLASTIC MOMENT (WITHOUT BRACKETS)

W_{plb} =	83.02	[cm^3]	Plastic section modulus		EN1993-1-1:[6.2.5.(2)]
$M_{b,pl,Rd} = W_{plb} f_{yb} / \gamma_{M0}$					
$M_{b,pl,Rd}$ =	22.83	[kN*m]	Plastic resistance of the section for bending (without stiffeners)		EN1993-1-1:[6.2.5.(2)]

BENDING ON THE CONTACT SURFACE WITH PLATE OR CONNECTED ELEMENT

W_{pl} =	198.53	[cm^3]	Plastic section modulus		EN1993-1-1:[6.2.5]
$M_{cb,Rd} = W_{pl} f_{yb} / \gamma_{M0}$					
$M_{cb,Rd}$ =	54.60	[kN*m]	Design resistance of the section for bending		EN1993-1-1:[6.2.5]
$M_{b1,Ed} / M_{cb,Rd} \leq 1,0$			0.27 < 1.00	verified	(0.27)

FLANGE AND WEB - COMPRESSION

$M_{cb,Rd}$ =	54.60	[kN*m]	Design resistance of the section for bending		EN1993-1-1:[6.2.5]
h_f =	188	[mm]	Distance between the centroids of flanges		[6.2.6.7.(1)]
$F_{c,fb,Rd} = M_{cb,Rd} / h_f$					
$F_{c,fb,Rd}$ =	291.13	[kN]	Resistance of the compressed flange and web		[6.2.6.7.(1)]

WEB OR BRACKET FLANGE - COMPRESSION - LEVEL OF THE BEAM BOTTOM FLANGE

Bearing:

β =	0.0	[Deg]	Angle between the front plate and the beam		
γ =	26.6	[Deg]	Inclination angle of the bracket plate		
$b_{eff,c,wb}$ =	132	[mm]	Effective width of the web for compression		[6.2.6.2.(1)]
A_{vb} =	7.56	[cm^2]	Shear area		EN1993-1-1:[6.2.6.(3)]
ω =	0.71		Reduction factor for interaction with shear		[6.2.6.2.(1)]
$\sigma_{com,Ed}$ =	106.14	[MPa]	Maximum compressive stress in web		[6.2.6.2.(2)]
k_{wc} =	1.00		Reduction factor conditioned by compressive stresses		[6.2.6.2.(2)]
A_s =	9.50	[cm^2]	Area of the web stiffener		EN1993-1-1:[6.2.4]

$F_{c,wb,Rd1} = [\omega k_{wc} b_{eff,c,wb} t_{wb} f_{yb} / \gamma_{M0} + A_s f_{yb} / \gamma_{M0}] \cos(\gamma) / \sin(\gamma - \beta)$

$F_{c,wb,Rd1}$ =	703.74	[kN]	Beam web resistance		[6.2.6.2.(1)]

Buckling:

d_{wb} =	56	[mm]	Height of compressed web		[6.2.6.2.(1)]
λ_p =	0.58		Plate slenderness of an element		[6.2.6.2.(1)]
ρ =	1.00		Reduction factor for element buckling		[6.2.6.2.(1)]
λ_s =	1.89		Stiffener slenderness		EN1993-1-1:[6.3.1.2]
χ =	1.00		Buckling coefficient of the stiffener		EN1993-1-1:[6.3.1.2]

$F_{c,wb,Rd2} = [\omega k_{wc} \rho b_{eff,c,wb} t_{wb} f_{yb} / \gamma_{M1} + A_s \chi f_{yb} / \gamma_{M1}] \cos(\gamma) / \sin(\gamma - \beta)$

$F_{c,wb,Rd2}$ =	703.74	[kN]	Beam web resistance		[6.2.6.2.(1)]

Final resistance:

$F_{c,wb,Rd,low} = \text{Min} (F_{c,wb,Rd1} , F_{c,wb,Rd2})$

$F_{c,wb,Rd,low}$ =	703.74	[kN]	Beam web resistance		[6.2.6.2.(1)]
$N_{low} / F_{c,wb,Rd,low} \leq 1,0$			0.10 < 1.00	verified	(0.10)

AXIAL FORCES IN BEAM FLANGES

h_f = 188 [mm] Distance between the centroids of flanges

e_N = -53 [mm] Axial force eccentricity

$N_{upp} = N_{b1,Ed} / 2 + (-N_{b1,Ed} e_N + M_{b1,Ed}) / h_f$

N_{upp} = 103.48 [kN] Axial force in the beam top flange

$N_{low} = N_{b1,Ed} / 2 - (-N_{b1,Ed} e_N + M_{b1,Ed}) / h_f$

N_{low} = -73.48 [kN] Axial force in the beam bottom flange

COLUMN RESISTANCES

WEB PANEL - SHEAR

$M_{b1,Ed}$ = 15.00	[kN*m]	Bending moment (right beam)	[5.3.(3)]
$M_{b2,Ed}$ = 0.00	[kN*m]	Bending moment (left beam)	[5.3.(3)]
$V_{c1,Ed}$ = 0.00	[kN]	Shear force (lower column)	[5.3.(3)]
$V_{c2,Ed}$ = 0.00	[kN]	Shear force (upper column)	[5.3.(3)]
z = 188	[mm]	Lever arm	[6.2.5]

$V_{wp,Ed} = (M_{b1,Ed} - M_{b2,Ed}) / z - (V_{c1,Ed} - V_{c2,Ed}) / 2$

$V_{wp,Ed}$ = 79.99 [kN] Shear force acting on the web panel [5.3.(3)]

A_{vs} = 7.56	[cm^2]	Shear area of the column web	EN1993-1-1:[6.2.6.(3)]
A_{vc} = 7.56	[cm^2]	Shear area	EN1993-1-1:[6.2.6.(3)]
d_s = 390	[mm]	Distance between the centroids of stiffeners	[6.2.6.1.(4)]
$M_{pl,fc,Rd}$ = 0.44	[kN*m]	Plastic resistance of the column flange for bending	[6.2.6.1.(4)]
$M_{pl,stu,Rd}$ = 0.59	[kN*m]	Plastic resistance of the upper transverse stiffener for bending	[6.2.6.1.(4)]
$M_{pl,stl,Rd}$ = 0.59	[kN*m]	Plastic resistance of the lower transverse stiffener for bending	[6.2.6.1.(4)]

$V_{wp,Rd} = 0.9 (A_{vs} * f_{y,wc}) / (\sqrt{3}\ \gamma_{M0}) + \text{Min}(4 M_{pl,fc,Rd} / d_s , (2 M_{pl,fc,Rd} + M_{pl,stu,Rd} + M_{pl,stl,Rd}) / d_s)$

$V_{wp,Rd}$ = 112.49 [kN] Resistance of the column web panel for shear [6.2.6.1]

$V_{wp,Ed} / V_{wp,Rd} \le 1,0$ 0.71 < 1.00 verified (0.71)

WEB - TRANSVERSE COMPRESSION - LEVEL OF THE BEAM BOTTOM FLANGE

Bearing:

t_{wc} = 5	[mm]	Effective thickness of the column web	[6.2.6.2.(6)]
$b_{eff,c,wc}$ = 123	[mm]	Effective width of the web for compression	[6.2.6.2.(1)]
A_{vc} = 7.56	[cm^2]	Shear area	EN1993-1-1:[6.2.6.(3)]
ω = 0.73		Reduction factor for interaction with shear	[6.2.6.2.(1)]
$\sigma_{com,Ed}$ = 0.00	[MPa]	Maximum compressive stress in web	[6.2.6.2.(2)]
k_{wc} = 1.00		Reduction factor conditioned by compressive stresses	[6.2.6.2.(2)]
A_s = 9.50	[cm^2]	Area of the web stiffener	EN1993-1-1:[6.2.4]

$F_{c,wc,Rd1} = \omega\ k_{wc}\ b_{eff,c,wc}\ t_{wc}\ f_{yc} / \gamma_{M0} + A_s\ f_{ys} / \gamma_{M0}$

$F_{c,wc,Rd1}$ = 347.27 [kN] Column web resistance [6.2.6.2.(1)]

Buckling:

d_{wc} = 56	[mm]	Height of compressed web	[6.2.6.2.(1)]
λ_p = 0.56		Plate slenderness of an element	[6.2.6.2.(1)]
ρ = 1.00		Reduction factor for element buckling	[6.2.6.2.(1)]
λ_s = 1.89		Stiffener slenderness	EN1993-1-1:[6.3.1.2]
χ_s = 1.00		Buckling coefficient of the stiffener	EN1993-1-1:[6.3.1.2]

$F_{c,wc,Rd2} = \omega\ k_{wc}\ \rho\ b_{eff,c,wc}\ t_{wc}\ f_{yc} / \gamma_{M1} + A_s\ \chi_s\ f_{ys} / \gamma_{M1}$

$F_{c,wc,Rd2}$ = 347.27 [kN] Column web resistance [6.2.6.2.(1)]

Final resistance:

$F_{c,wc,Rd,low} = \text{Min} (F_{c,wc,Rd1} , F_{c,wc,Rd2})$

$F_{c,wc,Rd}$ = 347.27 [kN] Column web resistance [6.2.6.2.(1)]

$N_{low} / F_{c,wc,Rd,low} \le 1,0$ 0.21 < 1.00 verified (0.21)

WEB - TRANSVERSE TENSION - LEVEL OF THE BEAM TOP FLANGE

t_{wc} = 5	[mm]	Effective thickness of the column web	[6.2.6.3.(8)]
$b_{eff,t,wc}$ = 122	[mm]	Effective width of the web for compression	[6.2.6.3.(2)]
A_{vc} = 7.56	[cm^2]	Shear area	EN1993-1-1:[6.2.6.(3)]

WEB - TRANSVERSE TENSION - LEVEL OF THE BEAM TOP FLANGE

t_{wc} =	5	[mm]	Effective thickness of the column web	[6.2.6.3.(8)]
ω =	0.74		Reduction factor for interaction with shear	[6.2.6.3.(4)]
A_s =	9.50	[cm^2]	Area of the web stiffener	EN1993-1-1:[6.2.4]

$F_{t,wc,Rd,upp} = \omega\ b_{eff,t,wc}\ t_{wc}\ f_{yc} / \gamma_{M0} + A_s\ f_{yc} / \gamma_{M0}$

$F_{t,wc,Rd}$ =	346.75	[kN]	Column web resistance	[6.2.6.3.(1)]

$N_{upp} / F_{t,wc,Rd,upp} \le 1,0$	0.30 < 1.00	verified	(0.30)

WELD RESISTANCE

A_w =	34.82	[cm^2]	Area of all welds	[4.5.3.2(2)]
A_{wy} =	26.00	[cm^2]	Area of horizontal welds	[4.5.3.2(2)]
A_{wz} =	8.82	[cm^2]	Area of vertical welds	[4.5.3.2(2)]
I_{wy} =	1852.35	[cm^4]	Moment of inertia of the weld arrangement with respect to the hor. axis	[4.5.3.2(5)]
$\sigma_{\perp max}=\tau_{\perp max}$ =	59.05	[MPa]	Normal stress in a weld	[4.5.3.2(6)]
$\sigma_{\perp}=\tau_{\perp}$ =	47.53	[MPa]	Stress in a vertical weld	[4.5.3.2(5)]
τ_{II} =	34.00	[MPa]	Tangent stress	[4.5.3.2(5)]
β_w =	0.85		Correlation coefficient	[4.5.3.2(7)]

$\sqrt{[\sigma_{\perp max}^2 + 3*(\tau_{\perp max}^2)]} \le f_u/(\beta_w*\gamma_{M2})$	118.10 < 404.71	verified	(0.29)
$\sqrt{[\sigma_{\perp}^2 + 3*(\tau_{\perp}^2+\tau_{II}^2)]} \le f_u/(\beta_w*\gamma_{M2})$	111.82 < 404.71	verified	(0.28)
$\sigma_{\perp} \le 0.9*f_u/\gamma_{M2}$	59.05 < 309.60	verified	(0.19)

CONNECTION STIFFNESS

Axial force in the beam exceeds 5% of the $N_{pl,Rd}$ strength. According to point 6.3.1.(4), connection stiffness cannot be calculated.

WEAKEST COMPONENT:

COLUMN WEB PANEL - SHEAR

Connection conforms to the code	Ratio	0.71

ΣΥΝΔΕΣΗ ΔΟΚΟΥ HEA100 – ΥΠΟΣΤΥΛΩΜΑΤΟΣ HEA100

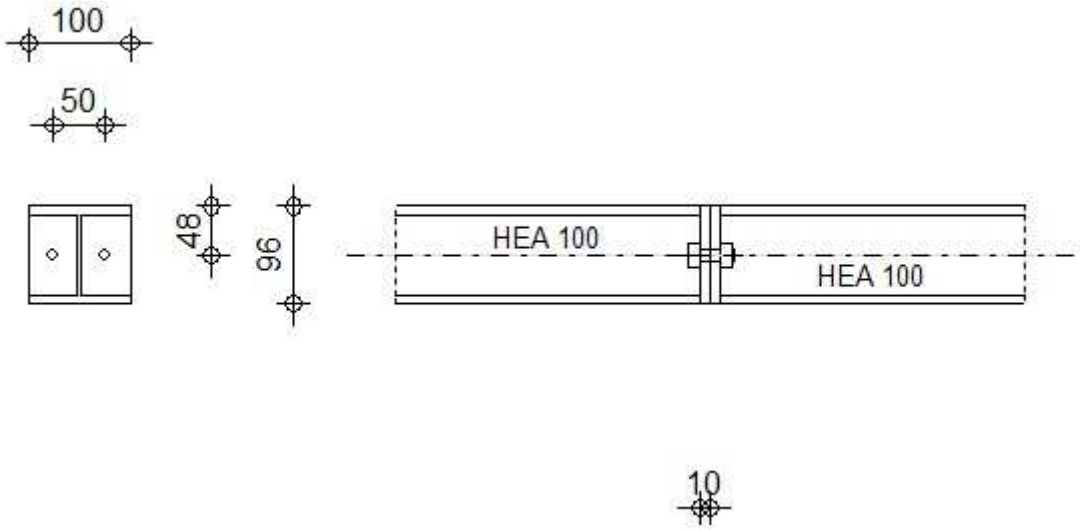
Autodesk Robot Structural Analysis Professional 2019

Design of fixed beam-to-beam connection

EN 1993-1-8:2005/AC:2009

OK

Ratio **0.59**



GENERAL

Connection no.: 26
Connection name: HEA100 to column (pinned)

GEOMETRY

LEFT SIDE

BEAM

Section:			HEA 100
α =	-180.0	[Deg]	Inclination angle
h_{bl} =	96	[mm]	Height of beam section
b_{fbl} =	100	[mm]	Width of beam section
t_{wbl} =	5	[mm]	Thickness of the web of beam section
t_{fbl} =	8	[mm]	Thickness of the flange of beam section
r_{bl} =	12	[mm]	Radius of beam section fillet
A_{bl} =	21.24	[cm^2]	Cross-sectional area of a beam
I_{xbl} =	349.23	[cm^4]	Moment of inertia of the beam section
Material:	S 275		
f_{yb} =	275.00	[MPa]	Resistance

RIGHT SIDE

BEAM

Section:			HEA 100
α =	0.0	[Deg]	Inclination angle
h_{br} =	96	[mm]	Height of beam section

α =	0.0	[Deg]	Inclination angle
b_{fbr} =	100	[mm]	Width of beam section
t_{wbr} =	5	[mm]	Thickness of the web of beam section
t_{fbr} =	8	[mm]	Thickness of the flange of beam section
r_{br} =	12	[mm]	Radius of beam section fillet
A_{br} =	21.24	[cm^2]	Cross-sectional area of a beam
I_{xbr} =	349.23	[cm^4]	Moment of inertia of the beam section
Material:	S 275		
f_{yb} =	275.00	[MPa]	Resistance

BOLTS

The shear plane passes through the THREADED portion of the bolt.

d =	12	[mm]	Bolt diameter
Class =	8.8		Bolt class
F_{tRd} =	48.56	[kN]	Tensile resistance of a bolt
n_h =	2		Number of bolt columns
n_v =	1		Number of bolt rows
h_1 =	48	[mm]	Distance between first bolt and upper edge of front plate
Horizontal spacing e_i =	50 [mm]		
Vertical spacing p_i =	[mm]		

PLATE

h_{pr} =	96	[mm]	Plate height
b_{pr} =	100	[mm]	Plate width
t_{pr} =	10	[mm]	Plate thickness
Material:	S 275		
f_{ypr} =	275.00	[MPa]	Resistance

FILLET WELDS

a_w =	3	[mm]	Web weld
a_f =	5	[mm]	Flange weld

MATERIAL FACTORS

γ_{M0} =	1.00	Partial safety factor	[2.2]
γ_{M1} =	1.00	Partial safety factor	[2.2]
γ_{M2} =	1.25	Partial safety factor	[2.2]
γ_{M3} =	1.25	Partial safety factor	[2.2]

LOADS

Ultimate limit state

Case: Manual calculations.

$V_{b1,Ed}$ =	30.00	[kN]	Shear force in the right beam
$N_{b1,Ed}$ =	30.00	[kN]	Axial force in the right beam

RESULTS

BEAM RESISTANCES

TENSION

A_b =	21.24	[cm^2]	Area	EN1993-1-1:[6.2.3]

$N_{tb,Rd} = A_b f_{yb} / \gamma_{M0}$

$N_{tb,Rd}$ =	583.99	[kN]	Design tensile resistance of the section	EN1993-1-1:[6.2.3]

SHEAR

A_{vb} =	7.56 [cm²]	Shear area		EN1993-1-1:[6.2.6.(3)]

$V_{cb,Rd} = A_{vb} (f_{yb} / \sqrt{3}) / \gamma_{M0}$

$V_{cb,Rd}$ =	119.97 [kN]	Design sectional resistance for shear		EN1993-1-1:[6.2.6.(2)]
$V_{b1,Ed} / V_{cb,Rd} \leq 1,0$	0.25 < 1.00	verified		(0.25)

GEOMETRICAL PARAMETERS OF A CONNECTION

EFFECTIVE LENGTHS AND PARAMETERS - FRONT PLATE

Nr	m	m_x	e	e_x	p	$l_{eff,cp}$	$l_{eff,nc}$	$l_{eff,1}$	$l_{eff,2}$	$l_{eff,cp,g}$	$l_{eff,nc,g}$	$l_{eff,1,g}$	$l_{eff,2,g}$
1	19	-	25	-	100	120	111	111	111	160	107	107	107

m – Bolt distance from the web
m_x – Bolt distance from the beam flange
e – Bolt distance from the outer edge
e_x – Bolt distance from the horizontal outer edge
p – Distance between bolts
$l_{eff,cp}$ – Effective length for a single bolt in the circular failure mode
$l_{eff,nc}$ – Effective length for a single bolt in the non-circular failure mode
$l_{eff,1}$ – Effective length for a single bolt for mode 1
$l_{eff,2}$ – Effective length for a single bolt for mode 2
$l_{eff,cp,g}$ – Effective length for a group of bolts in the circular failure mode
$l_{eff,nc,g}$ – Effective length for a group of bolts in the non-circular failure mode
$l_{eff,1,g}$ – Effective length for a group of bolts for mode 1
$l_{eff,2,g}$ – Effective length for a group of bolts for mode 2

CONNECTION RESISTANCE FOR TENSION

$F_{t,Rd}$ =	48.56 [kN]	Bolt resistance for tension		[Table 3.4]
$B_{p,Rd}$ =	116.72 [kN]	Punching shear resistance of a bolt		[Table 3.4]

$F_{t,fc,Rd}$ – column flange resistance due to bending
$F_{t,wc,Rd}$ – column web resistance due to tension
$F_{t,ep,Rd}$ – resistance of the front plate due to bending
$F_{t,wb,Rd}$ – resistance of the web in tension

$F_{t,fc,Rd} = \text{Min} (F_{T,1,fc,Rd} , F_{T,2,fc,Rd} , F_{T,3,fc,Rd})$ [6.2.6.4] , [Tab.6.2]
$F_{t,wc,Rd} = \omega\, b_{eff,t,wc}\, t_{wc}\, f_{yc} / \gamma_{M0}$ [6.2.6.3.(1)]
$F_{t,ep,Rd} = \text{Min} (F_{T,1,ep,Rd} , F_{T,2,ep,Rd} , F_{T,3,ep,Rd})$ [6.2.6.5] , [Tab.6.2]
$F_{t,wb,Rd} = b_{eff,t,wb}\, t_{wb}\, f_{yb} / \gamma_{M0}$ [6.2.6.8.(1)]

RESISTANCE OF THE BOLT ROW NO. 1

$F_{t1,Rd,comp}$ - Formula	$F_{t1,Rd,comp}$	Component
$F_{t1,Rd} = \text{Min} (F_{t1,Rd,comp})$	89.40	Bolt row resistance
$F_{t,ep,Rd(1)} = 89.40$	89.40	Front plate - tension
$F_{t,wb,Rd(1)} = 152.40$	152.40	Beam web - tension
$B_{p,Rd} = 233.43$	233.43	Bolts due to shear punching

SUMMARY TABLE OF FORCES

Nr	h_j	$F_{tj,Rd}$	$F_{t,fc,Rd}$	$F_{t,wc,Rd}$	$F_{t,ep,Rd}$	$F_{t,wb,Rd}$	$F_{t,Rd}$	$B_{p,Rd}$
1	44	89.40	-	-	89.40	152.40	97.11	233.43

CONNECTION RESISTANCE FOR TENSION $N_{j,Rd}$

$N_{j,Rd} = \sum F_{tj,Rd}$

$N_{j,Rd}$ =	89.40 [kN]	Connection resistance for tension		[6.2]
$N_{b1,Ed} / N_{j,Rd} \leq 1,0$	0.34 < 1.00	verified		(0.34)

CONNECTION RESISTANCE FOR SHEAR

α_v =	0.60	Coefficient for calculation of $F_{v,Rd}$	[Table 3.4]
$F_{v,Rd}$ =	32.37 [kN]	Shear resistance of a single bolt	[Table 3.4]
$F_{t,Rd,max}$ =	48.56 [kN]	Tensile resistance of a single bolt	[Table 3.4]
$F_{b,Rd,int}$ =	103.20 [kN]	Bearing resistance of an intermediate bolt	[Table 3.4]

α_v =	0.60		Coefficient for calculation of $F_{v,Rd}$	[Table 3.4]
$F_{b,Rd,ext}$ =	103.20	[kN]	Bearing resistance of an outermost bolt	[Table 3.4]

Nr	$F_{tj,Rd,N}$	$F_{tj,Ed,N}$	$F_{tj,Rd,M}$	$F_{tj,Ed,M}$	$F_{tj,Ed}$	$F_{vj,Rd}$
1	89.40	30.00	0.00	0.00	30.00	50.46

$F_{tj,Rd,N}$ – Bolt row resistance for simple tension
$F_{tj,Ed,N}$ – Force due to axial force in a bolt row
$F_{tj,Rd,M}$ – Bolt row resistance for simple bending
$F_{tj,Ed,M}$ – Force due to moment in a bolt row
$F_{tj,Ed}$ – Maximum tensile force in a bolt row
$F_{vj,Rd}$ – Reduced bolt row resistance

$F_{tj,Ed,N} = N_{j,Ed} F_{tj,Rd,N} / N_{j,Rd}$
$F_{tj,Ed,M} = M_{j,Ed} F_{tj,Rd,M} / M_{j,Rd}$
$F_{tj,Ed} = F_{tj,Ed,N} + F_{tj,Ed,M}$
$F_{vj,Rd} = \text{Min} (n_h F_{v,Ed} (1 - F_{tj,Ed}/ (1.4 n_h F_{t,Rd,max}), n_h F_{v,Rd} , n_h F_{b,Rd}))$

$V_{j,Rd} = n_h \sum_1^n F_{vj,Rd}$				[Table 3.4]
$V_{j,Rd}$ =	50.46	[kN]	Connection resistance for shear	[Table 3.4]
$V_{b1,Ed} / V_{j,Rd} \le 1,0$		0.59 < 1.00	verified	(0.59)

WELD RESISTANCE

A_w =	10.46	[cm^2]	Area of all welds	[4.5.3.2(2)]
A_{wy} =	7.10	[cm^2]	Area of horizontal welds	[4.5.3.2(2)]
A_{wz} =	3.36	[cm^2]	Area of vertical welds	[4.5.3.2(2)]
I_{wy} =	108.77	[cm^4]	Moment of inertia of the weld arrangement with respect to the hor. axis	[4.5.3.2(5)]
$\sigma_{\perp max}=\tau_{\perp max}$ =	20.28	[MPa]	Normal stress in a weld	[4.5.3.2(6)]
$\sigma_\perp=\tau_\perp$ =	20.28	[MPa]	Stress in a vertical weld	[4.5.3.2(5)]
τ_{II} =	89.29	[MPa]	Tangent stress	[4.5.3.2(5)]
β_w =	0.85		Correlation coefficient	[4.5.3.2(7)]
$\sqrt{[\sigma_{\perp max}^2 + 3*(\tau_{\perp max}^2)]} \le f_u/(\beta_w*\gamma_{M2})$		40.56 < 404.71	verified	(0.10)
$\sqrt{[\sigma_\perp^2 + 3*(\tau_\perp^2+\tau_{II}^2)]} \le f_u/(\beta_w*\gamma_{M2})$		159.88 < 404.71	verified	(0.40)
$\sigma_\perp \le 0.9*f_u/\gamma_{M2}$		20.28 < 309.60	verified	(0.07)

CONNECTION STIFFNESS

Axial force in the beam exceeds 5% of the $N_{pl,Rd}$ strength. According to point 6.3.1.(4), connection stiffness cannot be calculated.

WEAKEST COMPONENT:

BOLTS - SHEAR

Connection conforms to the code	Ratio	0.59

ΑΡΤΕΜΙΣ ΣΥΜΒΟΥΛΟΙ ΜΗΧΑΝΙΚΟΙ ΕΠΕ
ΕΤΑΙΡΕΙΑ ΣΤΑΤΙΚΩΝ ΜΕΛΕΤΩΝ
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