Weir et al. Supplementary Table 1. Phosphotyrosine-containing peptides identified following expression of human SFKs in yeast following by anti-phosphotyrosine immunoprecipitation and peptide identification by LC-MS/MS. Peptide metrics include ΔPPM of measured versus theoretical m/z of the precursor and SEQUEST cross-correlation score (XCorr). "." denotes the site of trypsin cleavage. "#" indicates phosphorylation. "*" denotes oxidation. "Ascore Seq" denotes the preferred sequence of the peptide after considering phosphorylation site localization. Ascore1 and Ascore2 values are listed for peptides with one and two phosphorylation sites and the site number in the human protein is indicated. Ascores > 12 are considered unambiguous.

Kinase	ΔPPM	XCorr	Peptide	Ascore Seq	Ascore 1	Ascore 2	Site 1	Site 2
Blk	0.64	4.242	R.CLDEGGY#Y#ISPR.I	CLDEGGY#Y#ISPR	88.3	51.6	187	188
Blk	0.53	4.035	R.CLDEGGY#Y#ISPR.I	CLDEGGY#Y#ISPR	73.3	48.9	187	188
Blk	0.68	4.432	R.CLDEGGY#YISPR.I	CLDEGGY#YISPR	32.4	0	187	0
Blk	0.47	4.164	R.CLDEGGY#YISPR.I	CLDEGGY#YISPR	28.9	0	187	0
Blk	0.47	4.005	R.CLDEGGY#YISPR.I	CLDEGGY#YISPR	32.4	0	187	0
Blk	0.68	4.673	R.CLDEGGYY#ISPR.I	CLDEGGYY#ISPR	28.9	0	188	0
Blk	0.47	4.543	R.CLDEGGYY#ISPR.I	CLDEGGYY#ISPR	28.9	0	188	0
Blk	-0.07	3.761	R.CLDEGGYY#ISPR.I	CLDEGGYY#ISPR	16.2	0	188	0
Blk	0.68	4.241	R.IIDSEY#TAQEGAK.F	IIDSEY#TAQEGAK	16.2	0	389	0
Blk	-0.58	4.239	R.IIDSEY#TAQEGAK.F	IIDSEY#TAQEGAK	16.2	0	389	0
Blk	1.5	4.138	R.IIDSEY#TAQEGAK.F	IIDSEY#TAQEGAK	16.2	0	389	0
Blk	-0.58	4.075	R.IIDSEY#TAQEGAK.F	IIDSEY#TAQEGAK	16.2	0	389	0
Blk	-0.41	3.683	R.IIDSEY#TAQEGAK.F	IIDSEY#TAQEGAK	16.2	0	389	0
Blk	-0.02	2.32	R.KRGHLVPAS#WK.L	KRGHLVPAS#WK	1000	0	622	0
Blk	-0.02	1.549	R.KRGHLVPAS#WK.L	KRGHLVPAS#WK	1000	0	622	0
Blk	-1.31	2.698	R.LYAVVTKEPIY#IVTEY#MAR.G	LYAVVTKEPIY#IVTEY#MAR	4.3	18	309	314
Blk	-1.31	2.36	R.LYAVVTKEPIY#IVTEY#MAR.G	LYAVVTKEPIY#IVTEY#MAR	15.4	31.3	309	314
Fgr	0.47	3.216	K.ARPAS#SFAHIPNYSNFSSQAINPGFLDSGTIR.G	ARPAS#SFAHIPNYSNFSSQAINPGFLDSGTIR	11.5	0	45	0
Fgr	0.48	4.756	K.ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR	0	0	54	0
Fgr	0.85	4.47	K.ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR	0	0	54	0
Fgr	0.85	4.198	K.ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR	3	0	54	0
Fgr	2	4.129	K.ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYSNFS#SQAINPGFLDSGTIR	9.1	0	57	0
Fgr	1.54	4.021	K.ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYSNFS#SQAINPGFLDSGTIR	0	0	57	0
Fgr	0.8	6.267	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	6.4	0	53	0
Fgr	0.85	6.178	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	8.6	0	53	0
Fgr	0.8	5.775	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	9.8	0	53	0
Fgr	0.76	5.758	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	9.8	0	53	0
Fgr	0.82	5.603	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	14	0	53	0
Fgr	1.32	4.862	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	8.6	0	53	0
Fgr	1.32	4.665	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR	0	0	54	0
Fgr	0.86	4.604	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR	0	0	54	0
Fgr	1.9	3.847	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	10.3	0	53	0
Fgr	1.84	3.799	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	10.3	0	53	0

Fgr	1.68	3.762	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYSNFS#SQAINPGFLDSGTIR	0	0	57	0
Fgr	1.73	3.73	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNY#SNFSSQAINPGFLDSGTIR	2.6	0	53	0
Fgr	0.39	3.495	K.ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR.G	ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR	0	0	54	0
Fgr	1.8	4.126	K.ARPASSFAHIPNYSNFS#SQAINPGFLDSGTIR.G	ARPASSFAHIPNYS#NFSSQAINPGFLDSGTIR	0	0	54	0
Fgr	0.14	4.104	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	48.9	0	121	0
Fgr	0.03	3.592	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	50.7	0	121	0
Fgr	-3.23	2.831	K.LAQQYVMTS#LQQEYKKQM*LTAAHALAVDAK.N	LAQQYVMTS#LQQEYKKQM*LTAAHALAVDAK	9.4	0	1033	0
Fgr	0.07	3.549	K.LDM*GGY#YITTR.V	LDM*GGY#YITTR	0	0	208	0
Fgr	0.07	3.41	K.LDM*GGY#YITTR.V	LDM*GGY#YITTR	0	0	208	0
Fgr	-0.04	3.379	K.LDM*GGY#YITTR.V	LDM*GGY#YITTR	0	0	208	0
Fgr	0.05	3.281	K.LDM*GGY#YITTR.V	LDM*GGY#YITTR	0	0	208	0
Fgr	0.17	2.291	K.LDM*GGYY#ITTR.V	LDM*GGY#YITTR	0	0	208	0
Fgr	0.15	2.192	K.LDM*GGYY#ITTR.V	LDM*GGY#YITTR	0	0	208	0
Fgr	0.3	3.851	K.LDMGGY#YITTR.V	LDMGGY#YITTR	38.4	0	208	0
Fgr	0.34	3.752	K.LDMGGY#YITTR.V	LDMGGY#YITTR	38.4	0	208	0
Fgr	-0.25	5.029	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	33.7	0	497	0
Fgr	-0.24	5.02	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	28.5	0	497	0
Fgr	0.33	4.499	K.TGCIPS#NYVAPVDSIQAEEWYFGK.I	TGCIPSNY#VAPVDSIQAEEWYFGK	3.3	0	132	0
Fgr	0.06	4.056	K.TGCIPSNY#VAPVDSIQAEEWY#FGKIGRK.D	TGCIPSNY#VAPVDSIQAEEWY#FGKIGRK	31.9	12.3	132	145
Fgr	1.82	3.812	K.TGCIPSNY#VAPVDSIQAEEWY#FGKIGRK.D	TGCIPSNY#VAPVDSIQAEEWY#FGKIGRK	33.3	14.4	132	145
Fgr	0.47	2.585	K.TGCIPSNY#VAPVDSIQAEEWY#FGKIGRK.D	TGCIPSNY#VAPVDSIQAEEWY#FGKIGRK	7	19.4	132	145
Fgr	0.33	4.583	K.TGCIPSNY#VAPVDSIQAEEWYFGK.I	TGCIPSNY#VAPVDSIQAEEWYFGK	3.4	0	132	0
Fgr	0.71	6.322	K.TGCIPSNYVAPVDSIQAEEWY#FGK.I	TGCIPSNYVAPVDSIQAEEWY#FGK	120.4	0	145	0
Fgr	0.7	5.944	K.TGCIPSNYVAPVDSIQAEEWY#FGK.I	TGCIPSNYVAPVDSIQAEEWY#FGK	158.4	0	145	0
Fgr	0.52	5.931	K.TGCIPSNYVAPVDSIQAEEWY#FGK.I	TGCIPSNYVAPVDSIQAEEWY#FGK	180.4	0	145	0
Fgr	0.52	5.571	K.TGCIPSNYVAPVDSIQAEEWY#FGK.I	TGCIPSNYVAPVDSIQAEEWY#FGK	94.3	0	145	0
Fgr	0.45	3.944	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGR.K	TGCIPSNYVAPVDSIQAEEWY#FGKIGR	29.5	0	145	0
Fgr	0.51	3.921	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGR.K	TGCIPSNYVAPVDSIQAEEWY#FGKIGR	33.3	0	145	0
Fgr	0.68	3.764	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGR.K	TGCIPSNYVAPVDSIQAEEWY#FGKIGR	42.8	0	145	0
Fgr	0.5	3.72	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGR.K	TGCIPSNYVAPVDSIQAEEWY#FGKIGR	26.3	0	145	0
Fgr	0.62	3.605	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGR.K	TGCIPSNYVAPVDSIQAEEWY#FGKIGR	49	0	145	0
Fgr	0.52	3.523	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGR.K	TGCIPSNYVAPVDSIQAEEWY#FGKIGR	71	0	145	0
Fgr	0.53	4.05	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGRK.D	TGCIPSNYVAPVDSIQAEEWY#FGKIGRK	51.7	0	145	0
Fgr	0.65	4.049	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGRK.D	TGCIPSNYVAPVDSIQAEEWY#FGKIGRK	30.1	0	145	0
Fgr	0.51	3.826	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGRK.D	TGCIPSNYVAPVDSIQAEEWY#FGKIGRK	23.2	0	145	0
Fgr	0.56	3.69	K.TGCIPSNYVAPVDSIQAEEWY#FGKIGRK.D	TGCIPSNYVAPVDSIQAEEWY#FGKIGRK	30.1	0	145	0
Fgr	-0.33	4.04	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	73.3	48.9	208	209
Fgr	-0.06	3.808	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	68.6	45.7	208	209
Fgr	-0.1	3.785	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	73.3	48.9	208	209

Fgr	-0.06	3.762	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	73.3	52.8	208	209
Fgr	-0.3	3.72	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	73.3	48.9	208	209
Fgr	-0.05	3.707	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	73.3	48.9	208	209
Fgr	-0.59	3.575	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	126.9	100.9	208	209
Fgr	-0.49	3.545	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	123.9	76.7	208	209
Fgr	-0.58	3.519	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	134.5	105.5	208	209
Fgr	-0.51	3.516	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	106.9	72.4	208	209
Fgr	-1.09	3.166	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	126.9	100.9	208	209
Fgr	-0.5	2.777	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	22	24.8	208	209
Fgr	-0.97	2.708	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	90.1	66.6	208	209
Fgr	-0.16	2.668	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	84.9	63.8	208	209
Fgr	-0.06	2.612	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	96.7	76.7	208	209
Fgr	-0.48	2.43	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	38.7	22	208	209
Fgr	-0.46	2.325	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#Y#ITTR	30.7	30.7	208	209
Fgr	-0.46	2.007	R.KLDM*GGY#Y#ITTR.V	KLDM*GGY#YITT#R	10.3	16.2	208	212
Fgr	0.5	3.902	R.KLDM*GGY#YITTR.V	KLDM*GGY#YITTR	64.8	0	208	0
Fgr	0.48	3.857	R.KLDM*GGY#YITTR.V	KLDM*GGY#YITTR	64.8	0	208	0
Fgr	0.48	3.541	R.KLDM*GGY#YITTR.V	KLDM*GGY#YITTR	64.8	0	208	0
Fgr	0.57	3.308	R.KLDM*GGY#YITTR.V	KLDM*GGY#YITTR	11.5	0	208	0
Fgr	0.5	3.143	R.KLDM*GGY#YITTR.V	KLDM*GGY#YITTR	38.4	0	208	0
Fgr	0.46	2.954	R.KLDM*GGY#YITTR.V	KLDM*GGY#YITTR	26.4	0	208	0
Fgr	0.43	2.721	R.KLDM*GGY#YITTR.V	KLDM*GGY#YITTR	6.5	0	208	0
Fgr	-0.05	3.016	R.KLDM*GGYY#ITTR.V	KLDM*GGYY#ITTR	13.2	0	209	0
Fgr	-0.03	4.123	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	64.5	43	208	209
Fgr	-0.17	3.912	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	41.3	33.7	208	209
Fgr	0	3.881	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	58	38.7	208	209
Fgr	-0.17	3.873	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	53.5	48.9	208	209
Fgr	-0.27	3.825	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	148.2	92.2	208	209
Fgr	-0.53	3.8	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	137.1	104.5	208	209
Fgr	-0.29	3.689	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	46.3	26.5	208	209
Fgr	-0.35	3.638	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	46.3	43	208	209
Fgr	-0.27	3.547	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	148.2	92.2	208	209
Fgr	-0.42	3.514	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	96.7	65	208	209
Fgr	-0.07	3.03	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	22	28.5	208	209
Fgr	-0.42	3	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	103	63.8	208	209
Fgr	-0.53	2.842	R.KLDMGGY#Y#ITTR.V	KLDMGGY#Y#ITTR	96.7	55.1	208	209
Fgr	-0.17	4.397	R.KLDMGGY#YITTR.V	KLDMGGY#YITTR	38.4	0	208	0
Fgr	-0.19	4.337	R.KLDMGGY#YITTR.V	KLDMGGY#YITTR	28.9	0	208	0
Fgr	-0.17	4.327	R.KLDMGGY#YITTR.V	KLDMGGY#YITTR	32.4	0	208	0

Fgr	0.41	4.273	R.KLDMGGY#YITTR.V	KLDMGGY#YITTR	32.4	0	208	0
Fgr	-0.25	4.252	R.KLDMGGY#YITTR.V	KLDMGGY#YITTR	32.4	0	208	0
Fgr	-0.25	4.209	R.KLDMGGY#YITTR.V	KLDMGGY#YITTR	38.4	0	208	0
Fgr	-0.19	4.052	R.KLDMGGY#YITTR.V	KLDMGGY#YITTR	32.4	0	208	0
Fgr	1.78	3.836	R.KLDMGGY#YITTR.V	KLDMGGY#YITTR	19.3	0	208	0
Fgr	-0.47	3.535	R.LHAVCSGGEPVY#IVTELMR.K	LHAVCSGGEPVY#IVTELMR	17.6	0	299	0
Fgr	1.28	3.429	R.LIKDDEY#NPCQGSK.F	LIKDDEY#NPCQGSK	79.3	0	412	0
Fgr	-0.01	3.246	R.LIKDDEY#NPCQGSK.F	LIKDDEY#NPCQGSK	57.8	0	412	0
Fgr	-0.04	3.179	R.LIKDDEY#NPCQGSK.F	LIKDDEY#NPCQGSK	107.3	0	412	0
Fgr	0.21	5.203	R.LIKDDEY#NPCQGSKFPIK.W	LIKDDEY#NPCQGSKFPIK	88	0	412	0
Fgr	0.08	4.388	R.LIKDDEY#NPCQGSKFPIK.W	LIKDDEY#NPCQGSKFPIK	69	0	412	0
Fgr	0.21	4.174	R.LIKDDEY#NPCQGSKFPIK.W	LIKDDEY#NPCQGSKFPIK	37.8	0	412	0
Fgr	-0.16	3.3	R.LIKDDEY#NPCQGSKFPIK.W	LIKDDEY#NPCQGSKFPIK	42.5	0	412	0
Fgr	-0.68	4.057	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	24.8	0	380	0
Fgr	0.18	4.407	R.SY#GAADHY#GPDPTK.A	SY#GAADHY#GPDPTK	0	80.7	28	34
Fgr	-0.02	3.409	R.SY#GAADHY#GPDPTK.A	SY#GAADHY#GPDPTK	14.5	65.7	28	34
Fgr	-0.15	4.471	R.SYGAADHY#GPDPTK.A	SYGAADHY#GPDPTK	108.9	0	34	0
Frk	0.01	5.697	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	22.9	0	496	0
Frk	0.2	5.462	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	0	0	496	0
Frk	0.03	5.38	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	13.2	0	496	0
Frk	0.2	5.279	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	13.2	0	496	0
Frk	0.23	5.262	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	13.2	0	496	0
Frk	-1.1	5.136	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	7.9	0	496	0
Frk	-0.77	4.734	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	13.2	0	496	0
Frk	-1.1	4.575	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	10.3	0	496	0
Frk	0	4.534	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSS#YSDANNFIR	0	0	496	0
Frk	-1.23	4.122	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSSY#SDANNFIR	0	0	497	0
Frk	1.03	2.492	K.LEDYFETDSS#YSDANNFIR.-	LEDYFETDSSY#SDANNFIR	0	0	497	0
Frk	0.02	5.773	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	37.4	0	497	0
Frk	-0.08	5.533	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	21.3	0	497	0
Frk	0.03	5.392	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	21.3	0	497	0
Frk	0.05	5.343	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	33.7	0	497	0
Frk	-0.11	5.229	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	18.9	0	497	0
Frk	-0.1	5.183	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	21.3	0	497	0
Frk	-0.93	4.813	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	26.5	0	497	0
Frk	-0.94	4.612	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSS#YSDANNFIR	10.3	0	496	0
Frk	-0.93	4.536	K.LEDYFETDSSY#SDANNFIR.-	LEDYFETDSSY#SDANNFIR	21.3	0	497	0
Frk	-0.04	2.14	K.QLLY#SENKTGSFLIR.E	QLLYS#ENKTGSFLIR	13.3	0	133	0
Frk	-1.28	2.769	R.ALY#SLALR.C	ALY#SLALR	32.4	0	353	0

Frk	-1.3	2.586	R.ALY#SLALR.C	ALY#SLALR	32.4	0	353	0
Frk	-1.32	2.475	R.ALY#SLALR.C	ALY#SLALR	32.4	0	353	0
Frk	-0.38	3.435	R.SDAEKQLLY#SENK.T	SDAEKQLLY#SENK	38.4	0	132	0
Frk	-0.37	3.415	R.SDAEKQLLY#SENK.T	SDAEKQLLY#SENK	38.4	0	132	0
Frk	-0.37	3.391	R.SDAEKQLLY#SENK.T	SDAEKQLLY#SENK	38.4	0	132	0
Frk	-0.01	3.113	R.SDAEKQLLY#SENK.T	SDAEKQLLY#SENK	38.4	0	132	0
Frk	-0.01	2.97	R.SDAEKQLLY#SENK.T	SDAEKQLLY#SENK	38.4	0	132	0
Frk	-0.82	4.883	R.SDAEKQLLY#SENKTGSFLIR.E	SDAEKQLLY#SENKTGSFLIR	37.4	0	132	0
Frk	-0.87	4.319	R.SDAEKQLLY#SENKTGSFLIR.E	SDAEKQLLY#SENKTGSFLIR	26.5	0	132	0
Frk	-0.82	4.304	R.SDAEKQLLY#SENKTGSFLIR.E	SDAEKQLLY#SENKTGSFLIR	24.8	0	132	0
Fyn	-0.17	4.787	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	152.1	0	437	0
Fyn	-0.17	4.7	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	181.4	0	437	0
Fyn	-0.1	4.259	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	158	0	437	0
Fyn	-0.18	4.244	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	152.1	0	437	0
Fyn	0.38	4.128	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	139.1	0	437	0
Fyn	0.16	4.069	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	147.6	0	437	0
Fyn	0.04	4.066	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	127.5	0	437	0
Fyn	-0.01	4.045	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	139.1	0	437	0
Fyn	-0.45	3.811	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	139.1	0	437	0
Fyn	0.41	3.756	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	127.5	0	437	0
Fyn	-0.69	2.327	K.GAY#SLSIR.D	GAY#SLSIR	32.4	0	185	0
Fyn	-0.17	2.257	K.GAY#SLSIR.D	GAY#SLSIR	32.4	0	185	0
Fyn	-0.86	2.216	K.GAY#SLSIR.D	GAY#SLSIR	32.4	0	185	0
Fyn	-0.69	2.16	K.GAY#SLSIR.D	GAY#SLSIR	32.4	0	185	0
Fyn	-0.14	2.141	K.GAY#SLSIR.D	GAY#SLSIR	32.4	0	185	0
Fyn	-0.69	2.126	K.GAY#SLSIR.D	GAY#SLSIR	32.4	0	185	0
Fyn	-0.22	2.055	K.GAY#SLSIR.D	GAY#SLSIR	32.4	0	185	0
Fyn	-0.5	3.563	K.LDNGGY#YITTR.A	LDNGGY#YITTR	38.4	0	213	0
Fyn	-0.54	3.436	K.LDNGGY#YITTR.A	LDNGGY#YITTR	38.4	0	213	0
Fyn	-0.5	3.418	K.LDNGGY#YITTR.A	LDNGGY#YITTR	38.4	0	213	0
Fyn	-0.54	3.359	K.LDNGGY#YITTR.A	LDNGGY#YITTR	38.4	0	213	0
Fyn	-0.5	3.254	K.LDNGGY#YITTR.A	LDNGGY#YITTR	38.4	0	213	0
Fyn	-0.04	3.196	K.LDNGGY#YITTR.A	LDNGGY#YITTR	28.9	0	213	0
Fyn	-0.58	3.045	K.LDNGGY#YITTR.A	LDNGGY#YITTR	38.4	0	213	0
Fyn	-0.01	2.757	K.LDNGGY#YITTR.A	LDNGGY#YITTR	13.2	0	213	0
Fyn	-0.35	2.664	K.LDNGGY#YITTR.A	LDNGGY#YITTR	38.4	0	213	0
Fyn	-0.41	2.494	K.LDNGGY#YITTR.A	LDNGGY#YITTR	32.4	0	213	0
Fyn	-0.43	2.413	K.LDNGGY#YITTR.A	LDNGGY#YITTR	16.2	0	213	0
Fyn	-0.41	2.681	K.LDNGGYY#ITTR.A	LDNGGY#YITTR	24.4	0	213	0

Fyn	0.01	2.637	K.LDNGGYY#ITTR.A	LDNGGY#YITTR	32.4	0	213	0
Fyn	-0.33	3.249	K.WTAPEAALY#GR.F	WTAPEAALY#GR	102.7	0	437	0
Fyn	-0.48	3.227	K.WTAPEAALY#GR.F	WTAPEAALY#GR	120	0	437	0
Fyn	-0.43	3.213	K.WTAPEAALY#GR.F	WTAPEAALY#GR	63.1	0	437	0
Fyn	-0.48	2.909	K.WTAPEAALY#GR.F	WTAPEAALY#GR	120	0	437	0
Fyn	-0.45	2.766	K.WTAPEAALY#GR.F	WTAPEAALY#GR	97.6	0	437	0
Fyn	-0.46	2.756	K.WTAPEAALY#GR.F	WTAPEAALY#GR	120	0	437	0
Fyn	-0.47	2.569	K.WTAPEAALY#GR.F	WTAPEAALY#GR	120	0	437	0
Fyn	-0.46	2.407	K.WTAPEAALY#GR.F	WTAPEAALY#GR	120	0	437	0
Fyn	-0.9	3.047	R.DGSLNQSSGY#R.Y	DGSLNQSSGY#R	45.7	0	28	0
Fyn	-0.74	3.007	R.DGSLNQSSGY#R.Y	DGSLNQSSGY#R	40.7	0	28	0
Fyn	-0.92	2.926	R.DGSLNQSSGY#R.Y	DGSLNQSSGY#R	40.7	0	28	0
Fyn	0.02	2.325	R.ESETTKGAY#SLSIR.D	ESETTKGAY#SLSIR	8.7	0	185	0
Fyn	-0.28	4.521	R.KLDNGGY#YITTR.A	KLDNGGY#YITTR	38.4	0	213	0
Fyn	-0.28	4.36	R.KLDNGGY#YITTR.A	KLDNGGY#YITTR	32.4	0	213	0
Fyn	-0.26	4.331	R.KLDNGGY#YITTR.A	KLDNGGY#YITTR	32.4	0	213	0
Fyn	0.39	3.923	R.KLDNGGY#YITTR.A	KLDNGGY#YITTR	38.4	0	213	0
Fyn	0.11	3.779	R.KLDNGGY#YITTR.A	KLDNGGY#YITTR	10.3	0	213	0
Fyn	-0.28	3.512	R.KLDNGGY#YITTR.A	KLDNGGY#YITTR	24.4	0	213	0
Fyn	0.06	3.345	R.KLDNGGYY#ITTR.A	KLDNGGYY#ITTR	16.2	0	214	0
Fyn	-0.05	3.689	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	1.34	3.553	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.49	3.524	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-1.24	3.512	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	0.48	3.5	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	32.4	0	417	0
Fyn	-0.02	3.489	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	-0.5	3.485	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	24.4	0	417	0
Fyn	-1.27	3.478	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	1.39	3.474	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.01	3.471	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-1.23	3.459	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	32.4	0	417	0
Fyn	-0.42	3.459	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	0.77	3.458	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.63	3.457	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.19	3.455	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	0.21	3.439	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	0.77	3.425	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	0.74	3.415	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-1.27	3.412	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0

Fyn	0.22	3.409	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	32.4	0	417	0
Fyn	-0.48	3.398	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	-0.42	3.394	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	0.02	3.387	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	24.4	0	417	0
Fyn	0.48	3.378	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	0.75	3.367	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	1.8	3.359	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	-0.07	3.344	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	24.4	0	417	0
Fyn	-0.16	3.334	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-1.15	3.327	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.63	3.231	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	0	3.229	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-1.27	3.226	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.42	3.221	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.08	3.216	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.63	3.207	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.04	3.204	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	24.4	0	417	0
Fyn	0.03	3.178	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	20.4	0	417	0
Fyn	1.48	3.146	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.5	3.131	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.41	3.122	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.21	3.096	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	0.02	3.082	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	20.4	0	417	0
Fyn	-0.5	3.077	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	42.6	0	417	0
Fyn	-0.49	3.074	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.07	3.045	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	32.4	0	417	0
Fyn	-0.42	3.029	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	21.5	0	417	0
Fyn	-0.58	3.025	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	32.4	0	417	0
Fyn	-0.03	3.005	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.19	2.994	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	-0.04	2.963	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	22.9	0	417	0
Fyn	0.02	2.963	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.43	2.961	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.21	2.959	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.02	2.937	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.63	2.91	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.49	2.91	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	42.6	0	417	0
Fyn	-0.17	2.869	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	-0.08	2.863	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0

Fyn	-0.5	2.85	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	51.6	0	417	0
Fyn	-0.63	2.809	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.05	2.779	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	32.4	0	417	0
Fyn	-0.01	2.756	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	19.3	0	417	0
Fyn	-1.27	2.715	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	18.4	0	417	0
Fyn	1.39	2.703	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	20.4	0	417	0
Fyn	1.34	2.691	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	18.4	0	417	0
Fyn	-0.15	2.674	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	26.4	0	417	0
Fyn	-1.27	2.621	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	1.33	2.617	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.18	2.607	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.63	2.568	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	16.2	0	417	0
Fyn	-0.19	2.453	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	10.3	0	417	0
Fyn	-0.7	2.024	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	32.4	0	417	0
Fyn	0.03	1.919	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Fyn	-0.47	1.747	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	11.5	0	417	0
Fyn	0.04	4.314	R.LIEDNEY#TARQGAK.F	LIEDNEY#TARQGAK	13.2	0	417	0
Fyn	-0.14	4.205	R.LIEDNEY#TARQGAK.F	LIEDNEY#TARQGAK	28.9	0	417	0
Fyn	-0.14	4.062	R.LIEDNEY#TARQGAK.F	LIEDNEY#TARQGAK	13.2	0	417	0
Fyn	-0.31	4.048	R.LIEDNEY#TARQGAK.F	LIEDNEY#TARQGAK	13.2	0	417	0
Fyn	0.04	3.647	R.LIEDNEY#TARQGAK.F	LIEDNEY#TARQGAK	16.2	0	417	0
Fyn	0.48	3.539	R.LIEDNEY#TARQGAK.F	LIEDNEY#TARQGAK	28.9	0	417	0
Hck	0.36	3.693	R.TLDNGGFY#ISPR.S	TLDNGGFY#ISPR	52.8	0	188	0
Hck	0.35	3.586	R.TLDNGGFY#ISPR.S	TLDNGGFY#ISPR	51.6	0	188	0
Hck	0.26	3.494	R.TLDNGGFY#ISPR.S	TLDNGGFY#ISPR	52.8	0	188	0
Hck	0.34	3.366	R.TLDNGGFY#ISPR.S	TLDNGGFY#ISPR	51.6	0	188	0
Hck	0.42	3.104	R.TLDNGGFY#ISPR.S	TLDNGGFY#ISPR	52.8	0	188	0
Hck	0.68	3.047	R.TLDNGGFY#ISPR.S	TLDNGGFY#ISPR	52.8	0	188	0
Hck	-1.1	2.601	R.TLDNGGFY#ISPR.S	TLDNGGFY#ISPR	46.7	0	188	0
Hck	0.65	3.495	R.VIEDNEY#TAREGAK.F	VIEDNEY#TAREGAK	28.9	0	390	0
Hck	-0.08	3.359	R.VIEDNEY#TAREGAK.F	VIEDNEY#TAREGAK	13.2	0	390	0
Lyn	0.15	2.403	K.EGFIPSNY#VAK.L	EGFIPSNY#VAK	33.7	0	96	0
Lyn	-0.02	2.396	K.EGFIPSNY#VAK.L	EGFIPSNY#VAK	28.5	0	96	0
Lyn	0.16	2.264	K.EGFIPSNY#VAK.L	EGFIPSNY#VAK	17	0	96	0
Lyn	0.02	2.248	K.EGFIPSNY#VAK.L	EGFIPSNY#VAK	30.7	0	96	0
Lyn	0.17	2.243	K.EGFIPSNY#VAK.L	EGFIPSNY#VAK	30.8	0	96	0
Lyn	-0.02	2.125	K.EGFIPSNY#VAK.L	EGFIPSNY#VAK	22	0	96	0
Lyn	0.44	2.262	R.EEPIY#IITEY#MAK.G	EEPIY#IITEY#MAK	64.5	23.3	295	300
Lyn	0.45	2.2	R.EEPIY#IITEY#MAK.G	EEPIY#IITEY#MAK	46.3	24.8	295	300

Lyn	0.64	2.792	R.EEPIY#IITEYMAK.G	EEPIY#IITEYMAK	22	0	295	0
Lyn	0.92	2.631	R.EEPIY#IITEYMAK.G	EEPIY#IITEYMAK	37.5	0	295	0
Lyn	0.74	2.34	R.EEPIY#IITEYMAK.G	EEPIY#IITEYMAK	73.3	0	295	0
Lyn	0.95	2.163	R.EEPIY#IITEYMAK.G	EEPIY#IITEYMAK	25.9	0	295	0
Lyn	1.01	2.157	R.EEPIY#IITEYMAK.G	EEPIY#IITEYMAK	30.7	0	295	0
Lyn	-0.9	2.835	R.FQTKDPEEQGDIVVALYPY#DGIHPDDLSFK.K	FQTKDPEEQGDIVVALYPY#DGIHPDDLSFK	48.8	0	53	0
Lyn	-0.51	1.935	R.KRGHLVPAS#WK.L	KRGHLVPAS#WK	1000	0	622	0
Lyn	-0.51	1.91	R.KRGHLVPAS#WK.L	KRGHLVPAS#WK	1000	0	622	0
Lyn	-0.7	2.827	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	32.4	0	417	0
Lyn	-0.93	2.493	R.LY#AVVTR.E	LY#AVVTR	104.5	0	285	0
Lyn	-0.88	2.288	R.LY#AVVTR.E	LY#AVVTR	105.5	0	285	0
Lyn	-1	2.238	R.LY#AVVTR.E	LY#AVVTR	115.5	0	285	0
Lyn	-0.2	4.006	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	32.4	0	172	0
Lyn	-0.2	3.972	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	32.4	0	172	0
Lyn	-0.27	3.95	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	28.9	0	172	0
Lyn	-0.27	3.924	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	28.9	0	172	0
Lyn	-0.23	3.791	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	28.9	0	172	0
Lyn	-0.25	3.479	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	26.4	0	172	0
Lyn	-0.41	3.448	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	28.9	0	172	0
Lyn	-0.35	3.356	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	26.4	0	172	0
Lyn	0.05	3.244	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	11.5	0	172	0
Lyn	0.08	3.243	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	28.9	0	172	0
Lyn	0.03	3.185	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	32.4	0	172	0
Lyn	-0.37	3.181	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	21.5	0	172	0
Lyn	-0.24	2.783	R.SLDNGGY#YISPR.I	SLDNGGYY#ISPR	0	0	173	0
Lyn	-0.21	2.358	R.SLDNGGY#YISPR.I	SLDNGGY#YISPR	7.4	0	172	0
Lyn	-0.21	2.153	R.SLDNGGY#YISPR.I	SLDNGGYY#ISPR	0	0	173	0
Lyn	0.17	4.504	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.23	4.425	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.02	4.338	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.26	4.322	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.22	4.286	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.21	4.225	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.2	4.185	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.23	4.032	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.01	3.983	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.18	3.979	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.02	3.935	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0
Lyn	0.31	3.771	R.VENCPDELY#DIM*K.M	VENCPDELY#DIM*K	1000	0	452	0

Lyn	0.64	3.899	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.65	3.878	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.64	3.867	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.63	3.791	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.59	3.764	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.57	3.711	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.64	3.631	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	-0.15	3.615	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.57	3.485	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.59	3.417	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.64	3.408	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	-0.14	3.321	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	0.57	3.248	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	-0.02	3.141	R.VENCPDELY#DIMK.M	VENCPDELY#DIMK	1000	0	452	0
Lyn	-0.45	3.402	R.VIEDNEY#TAR.E	VIEDNEY#TAR	28.9	0	390	0
Lyn	-0.32	3.366	R.VIEDNEY#TAR.E	VIEDNEY#TAR	28.9	0	390	0
Lyn	-0.7	3.338	R.VIEDNEY#TAR.E	VIEDNEY#TAR	28.9	0	390	0
Lyn	-0.68	3.32	R.VIEDNEY#TAR.E	VIEDNEY#TAR	28.9	0	390	0
Lyn	-0.67	3.286	R.VIEDNEY#TAR.E	VIEDNEY#TAR	26.4	0	390	0
Lyn	-0.45	3.23	R.VIEDNEY#TAR.E	VIEDNEY#TAR	32.4	0	390	0
Lyn	-0.32	3.23	R.VIEDNEY#TAR.E	VIEDNEY#TAR	22.9	0	390	0
Lyn	-0.67	3.11	R.VIEDNEY#TAR.E	VIEDNEY#TAR	22.9	0	390	0
Lyn	-0.69	3.07	R.VIEDNEY#TAR.E	VIEDNEY#TAR	26.4	0	390	0
Lyn	-0.69	2.988	R.VIEDNEY#TAR.E	VIEDNEY#TAR	28.9	0	390	0
Lyn	-0.69	2.903	R.VIEDNEY#TAR.E	VIEDNEY#TAR	20.4	0	390	0
Lyn	-0.67	2.897	R.VIEDNEY#TAR.E	VIEDNEY#TAR	28.9	0	390	0
Lyn	-0.67	2.832	R.VIEDNEY#TAREGAK.F	VIEDNEY#TAREGAK	21.5	0	390	0
Srm	0.9	5.654	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	57.8	0	121	0
Srm	0.86	5.576	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	57.8	0	121	0
Srm	0.87	5.44	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	57.8	0	121	0
Srm	0.92	5.429	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	57.8	0	121	0
Srm	0.62	5.322	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	57.8	0	121	0
Srm	0.66	5.275	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	57.8	0	121	0
Srm	0.62	5.106	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	52.8	0	121	0
Srm	0.66	4.936	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	57.8	0	121	0
Srm	0.81	4.638	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	30.8	0	121	0
Srm	0.59	4.602	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	37.4	0	121	0
Srm	0.68	4.484	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	57.8	0	121	0
Srm	0.7	4.183	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	42.6	0	121	0

Srm	0.3	3.959	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	24.8	0	121	0
Srm	0.99	3.951	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	49	0	121	0
Srm	0.39	3.592	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	30.7	0	121	0
Srm	0.1	3.052	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	20.2	0	121	0
Srm	0.21	2.915	K.ASPETLSDQPWY#FSGVSR.T	ASPETLSDQPWY#FSGVSR	12.7	0	121	0
Srm	0.08	3.004	K.GRLFPGLEELLT#YYK.A	GRLFPGLEELLT#YYK	10.3	0	195	0
Srm	0.26	2.934	K.GRLFPGLEELLTY#YK.A	GRLFPGLEELLTY#YK	10.3	0	196	0
Srm	-0.06	2.263	K.IPVKWT#APEAANY#R.V	IPVKWT#APEAANY#R	1000	0	393	400
Srm	-0.34	3.119	K.IPVKWT#APEAANY#RVFSQK.S	IPVKWT#APEAANY#RVFSQK	45.4	24.8	393	400
Srm	0.11	3.835	K.IPVKWTAPEAANY#R.V	IPVKWTAPEAANY#R	137.2	0	400	0
Srm	0.24	3.568	K.IPVKWTAPEAANY#R.V	IPVKWTAPEAANY#R	128.7	0	400	0
Srm	0.22	3.552	K.IPVKWTAPEAANY#R.V	IPVKWTAPEAANY#R	93.8	0	400	0
Srm	0.06	3.546	K.IPVKWTAPEAANY#R.V	IPVKWTAPEAANY#R	128.2	0	400	0
Srm	-0.12	3.542	K.IPVKWTAPEAANY#R.V	IPVKWTAPEAANY#R	102.7	0	400	0
Srm	-0.12	3.321	K.IPVKWTAPEAANY#R.V	IPVKWTAPEAANY#R	137.4	0	400	0
Srm	0.12	3.19	K.IPVKWTAPEAANY#R.V	IPVKWTAPEAANY#R	128.2	0	400	0
Srm	0.05	3.103	K.IPVKWTAPEAANY#R.V	IPVKWTAPEAANY#R	153.1	0	400	0
Srm	-0.53	4.764	K.IPVKWTAPEAANY#RVFSQK.S	IPVKWTAPEAANY#RVFSQK	44.1	0	400	0
Srm	-0.18	4.244	K.IPVKWTAPEAANY#RVFSQK.S	IPVKWTAPEAANY#RVFSQK	8	0	400	0
Srm	-0.53	3.928	K.IPVKWTAPEAANY#RVFSQK.S	IPVKWTAPEAANY#RVFSQK	18.7	0	400	0
Srm	0	3.305	K.WTAPEAANY#RVFSQK.S	WTAPEAANY#RVFSQK	46.7	0	400	0
Srm	0.11	3.078	K.WTAPEAANY#RVFSQK.S	WTAPEAANY#RVFSQK	40.3	0	400	0
Srm	0	3.009	K.WTAPEAANY#RVFSQK.S	WTAPEAANY#RVFSQK	58.5	0	400	0
Srm	0.12	2.655	K.WTAPEAANY#RVFSQK.S	WTAPEAANY#RVFSQK	2	0	400	0
Srm	0.11	2.356	K.WTAPEAANY#RVFSQK.S	WTAPEAANY#RVFSQK	8.1	0	400	0
Srm	0.02	5.576	R.LCALEEGGGY#IFAR.R	LCALEEGGGY#IFAR	1000	0	87	0
Srm	0.15	5.19	R.LCALEEGGGY#IFAR.R	LCALEEGGGY#IFAR	1000	0	87	0
Srm	0.17	5.15	R.LCALEEGGGY#IFAR.R	LCALEEGGGY#IFAR	1000	0	87	0
Srm	0.04	4.939	R.LCALEEGGGY#IFAR.R	LCALEEGGGY#IFAR	1000	0	87	0
Srm	-0.01	4.874	R.LHAVCSGGEPVY#IVTELM*R.K	LHAVCSGGEPVY#IVTELM*R	71.8	0	299	0
Srm	0.05	4.858	R.LHAVCSGGEPVY#IVTELM*R.K	LHAVCSGGEPVY#IVTELM*R	59.5	0	299	0
Srm	0.01	4.566	R.LHAVCSGGEPVY#IVTELM*R.K	LHAVCSGGEPVY#IVTELM*R	71.8	0	299	0
Srm	0.09	3.959	R.LHAVCSGGEPVY#IVTELM*R.K	LHAVCSGGEPVY#IVTELM*R	45	0	299	0
Srm	0.02	3.877	R.LHAVCSGGEPVY#IVTELM*R.K	LHAVCSGGEPVY#IVTELM*R	31.8	0	299	0
Srm	0.16	3.438	R.LHAVCSGGEPVY#IVTELM*R.K	LHAVCSGGEPVY#IVTELM*R	40.6	0	299	0
Srm	-0.05	5.355	R.LHAVCSGGEPVY#IVTELMR.K	LHAVCSGGEPVY#IVTELMR	64.5	0	299	0
Srm	0.29	5.31	R.LHAVCSGGEPVY#IVTELMR.K	LHAVCSGGEPVY#IVTELMR	68.1	0	299	0
Srm	0.06	4.858	R.LHAVCSGGEPVY#IVTELMR.K	LHAVCSGGEPVY#IVTELMR	68.1	0	299	0
Srm	0.04	4.305	R.LHAVCSGGEPVY#IVTELMR.K	LHAVCSGGEPVY#IVTELMR	59.5	0	299	0

Srm	0.05	4.132	R.LHAVCSGGEPVY#IVTELMR.K	LHAVCSGGEPVY#IVTELMR	37.4	0	299	0
Srm	0.32	3.017	R.LHAVCSGGEPVY#IVTELMR.K	LHAVCSGGEPVY#IVTELMR	13.4	0	299	0
Srm	0.34	2.604	R.LHAVCSGGEPVY#IVTELMRK.G	LHAVCSGGEPVY#IVTELMRK	6.7	0	299	0
Srm	-0.6	3.048	R.LLKDDIY#S#PSSSSKIPVK.W	LLKDDIY#S#PSSSSKIPVK	9.6	10.4	380	381
Srm	-0.14	2.567	R.LLKDDIY#S#PSSSSKIPVK.W	LLKDDIY#S#PSSSSKIPVK	27.2	18.3	380	381
Srm	-0.42	3.991	R.LLKDDIY#SPSS#SSKIPVK.W	LLKDDIY#SPSS#SSKIPVK	42.6	10.3	380	384
Srm	-0.25	4.644	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	32.4	0	380	0
Srm	-0.28	4.553	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	32.4	0	380	0
Srm	-0.26	4.543	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	32.4	0	380	0
Srm	-0.28	4.385	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	32.4	0	380	0
Srm	-0.41	3.826	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	57.8	0	380	0
Srm	0.26	3.687	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	32.4	0	380	0
Srm	0.82	3.572	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	28.9	0	380	0
Srm	0.4	3.461	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	28.9	0	380	0
Srm	-0.4	3.405	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	57.8	0	380	0
Srm	-0.22	3.384	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	52.8	0	380	0
Srm	-0.15	3.293	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	32.4	0	380	0
Srm	0.82	3.263	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	28.9	0	380	0
Srm	-0.19	3.247	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	57.8	0	380	0
Srm	0.22	3.047	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	32.4	0	380	0
Srm	0.25	2.936	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	32.4	0	380	0
Srm	-0.15	2.779	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	13.2	0	380	0
Srm	-0.14	2.754	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	57.8	0	380	0
Srm	-0.3	2.601	R.LLKDDIY#SPSSSSK.I	LLKDDIY#SPSSSSK	42.6	0	380	0
Srm	-0.13	4.725	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	33.7	0	380	0
Srm	-0.23	4.719	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	37.4	0	380	0
Srm	-0.06	4.252	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	24.8	0	380	0
Srm	-0.25	4.247	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	52.8	0	380	0
Srm	-0.53	3.979	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	41.3	0	380	0
Srm	-0.34	3.915	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	41.3	0	380	0
Srm	-0.33	3.884	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	46.2	0	380	0
Srm	-0.18	3.666	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	30.7	0	380	0
Srm	0.12	3.65	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	18.9	0	380	0
Srm	-0.53	3.592	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	30.7	0	380	0
Srm	0.02	3.547	R.LLKDDIY#SPSSSSKIPVK.W	LLKDDIY#SPSSSSKIPVK	33.7	0	380	0
Srm	1.15	2.263	R.TQAQQLLLSPPNEPGAFLIRPSESS#LGGYSLSVR.A	TQAQQLLLSPPNEPGAFLIRPSESS#LGGYSLSVR	0	0	152	0
Srm	0.76	4.631	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR.A	TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR	4.8	0	156	0
Srm	0.84	4.369	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR.A	TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR	4.8	0	156	0
Srm	0.75	4.319	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR.A	TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR	8.7	0	156	0

Srm	0.73	4.029	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR.A	TQAQQLLLSPPNEPGAFLIRPSES#SLGGYSLSVR	9.3	0	151	0
Srm	0.56	3.916	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR.A	TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR	0	0	156	0
Srm	0.37	3.402	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR.A	TQAQQLLLSPPNEPGAFLIRPSESSLGGY#SLSVR	19.3	0	156	0
Srm	0.6	3.564	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGYSLS#VR.A	TQAQQLLLSPPNEPGAFLIRPSESS#LGGYSLSVR	14.4	0	152	0
Srm	0.8	3.232	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGYSLS#VR.A	TQAQQLLLSPPNEPGAFLIRPSESSLGGYSLS#VR	12.3	0	159	0
Srm	1.15	2.089	R.TQAQQLLLSPPNEPGAFLIRPSESSLGGYSLS#VR.A	TQAQQLLLSPPNEPGAFLIRPSESSLGGYSLS#VR	6.6	0	159	0
Srm	-0.35	4.161	R.VSM*AADGSLY#LQK.G	VSM*AADGSLY#LQK	17	0	180	0
Srm	-0.32	4.147	R.VSM*AADGSLY#LQK.G	VSM*AADGSLY#LQK	17	0	180	0
Srm	-0.07	4.141	R.VSM*AADGSLY#LQK.G	VSM*AADGSLY#LQK	24.8	0	180	0
Srm	-0.07	4.054	R.VSM*AADGSLY#LQK.G	VSM*AADGSLY#LQK	23.3	0	180	0
Srm	-0.72	4.073	R.VSMAADGSLY#LQK.G	VSMAADGSLY#LQK	30.8	0	180	0
Srm	-0.62	4.005	R.VSMAADGSLY#LQK.G	VSMAADGSLY#LQK	42.6	0	180	0
Srm	-0.67	3.908	R.VSMAADGSLY#LQK.G	VSMAADGSLY#LQK	30.7	0	180	0
Srm	-0.52	3.838	R.VSMAADGSLY#LQK.G	VSMAADGSLY#LQK	30.7	0	180	0
Yes	-0.05	4.269	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	109.5	0	437	0
Yes	-0.04	3.863	K.FPIKWTAPEAALY#GR.F	FPIKWTAPEAALY#GR	127.5	0	437	0
Yes	0.34	3.134	K.WTAPEAALY#GR.F	WTAPEAALY#GR	97.6	0	437	0
Yes	0.33	2.661	K.WTAPEAALY#GR.F	WTAPEAALY#GR	120	0	437	0
Yes	0.93	6.392	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	64.8	0	93	0
Yes	0.46	6.335	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	64.8	0	93	0
Yes	0.6	6.225	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	57.8	0	93	0
Yes	0.45	6.223	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	57.8	0	93	0
Yes	0.63	6.19	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	57.8	0	93	0
Yes	0.52	6.141	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	57.8	0	93	0
Yes	0.6	5.994	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	37.4	0	93	0
Yes	1	5.791	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	64.8	0	93	0
Yes	0.47	5.742	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	37.4	0	93	0
Yes	0.54	5.48	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	64.8	0	93	0
Yes	0.55	5.173	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	54.6	0	93	0
Yes	0.61	5.077	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	54.6	0	93	0
Yes	0.62	4.939	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	50.7	0	93	0
Yes	0.6	4.909	R.AGPLAGGVTTFVALY#DYESR.T	AGPLAGGVTTFVALY#DYESR	66.6	0	93	0
Yes	0.41	3.713	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Yes	0.41	3.513	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Yes	0.44	3.505	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Yes	0.44	3.458	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	28.9	0	417	0
Yes	0.41	3.378	R.LIEDNEY#TAR.Q	LIEDNEY#TAR	24.4	0	417	0
Yes	0.68	4.332	R.TQFNSLQQLVAY#YSK.H	TQFNSLQQLVAY#YSK	32.4	0	232	0