

Table S9. Heat map of statistically significant biochemicals profiled in liver. Shaded cells indicate $p \leq 0.05$ (red indicates that the mean values are significantly higher for that comparison; green values significantly lower). Blue-bolded text indicates $0.05 < p < 0.10$.			Fold of Change		
			Welch's Two Sample t-Tests		
PATHWAY SORT	BIOCHEMICAL NAME	SUPER PATHWAY	<u>MR</u> CF	<u>MR + CYS</u> CF	<u>MR</u> MR + CYS
1	glycine	Amino acid	0.71	0.69	1.02
2	sarcosine (N-Methylglycine)	Amino acid	1.15	0.40	2.87
3	dimethylglycine	Amino acid	1.33	0.91	1.46
6	beta-hydroxypyruvate	Amino acid	0.67	1.04	0.64
7	serine	Amino acid	4.97	0.95	5.23
16	threonine	Amino acid	4.35	0.74	5.85
18	allo-threonine	Amino acid	4.07	1.12	3.62
21	betaine	Amino acid	0.49	0.91	0.53
22	betaine aldehyde	Amino acid	0.79	1.52	0.52
23	alanine	Amino acid	0.66	0.88	0.75
24	beta-alanine	Amino acid	0.99	0.92	1.07
29	aspartate	Amino acid	1.48	1.39	1.07
33	asparagine	Amino acid	0.55	0.97	0.57
38	glutamate	Amino acid	0.88	1.05	0.84
42	glutamine	Amino acid	1.26	1.03	1.23
43	pyroglutamine*	Amino acid	2.01	1.55	1.29
44	gamma-aminobutyrate (GABA)	Amino acid	1.14	0.85	1.34
48	histidine	Amino acid	0.93	0.90	1.03
53	histamine	Amino acid	0.65	0.75	0.87
61	glutarate (pentanedioate)	Amino acid	1.04	0.61	1.71
66	lysine	Amino acid	0.84	0.85	0.98
67	2-aminoadipate	Amino acid	1.85	1.06	1.74
69	pipecolate	Amino acid	0.93	1.06	0.88
73	N2-acetyllysine	Amino acid	0.99	0.96	1.03
75	glutaryl carnitine	Amino acid	1.07	0.58	1.87
78	phenylalanine	Amino acid	0.64	0.94	0.68
90	tyrosine	Amino acid	0.50	0.93	0.54
114	phenylacetyl glycine	Amino acid	0.39	1.26	0.31
125	kynurenine	Amino acid	0.77	0.90	0.86
126	tryptophan	Amino acid	0.68	0.97	0.7
141	C-glycosyltryptophan*	Amino acid	0.78	0.92	0.85
157	isoleucine	Amino acid	0.69	0.89	0.78
158	leucine	Amino acid	0.67	0.89	0.74
167	valine	Amino acid	0.73	1.00	0.73
170	4-methyl-2-oxopentanoate	Amino acid	1.04	0.69	1.52
177	isobutyrylcarnitine	Amino acid	1.21	0.43	2.84
179	2-methylbutyrylcarnitine	Amino acid	0.50	0.42	1.18
181	isovaleryl carnitine	Amino acid	1.24	0.40	3.09
182	hydroxyisovaleryl carnitine	Amino acid	1.65	0.98	1.68
188	cysteine	Amino acid	0.53	1.14	0.47
192	cystathionine	Amino acid	0.66	0.54	1.23
195	hypotaurine	Amino acid	0.09	0.42	0.2
196	taurine	Amino acid	0.10	0.38	0.26
198	S-adenosylhomocysteine (SAH)	Amino acid	1.45	1.17	1.25
199	methionine	Amino acid	0.59	0.89	0.67
201	N-acetylmethionine	Amino acid	0.77	0.79	0.98
203	2-hydroxybutyrate (AHB)	Amino acid	0.92	0.61	1.51
205	homocysteine	Amino acid	2.66	1.35	1.97

212	dimethylarginine (SDMA + ADMA)	Amino acid	0.42	0.72	0.58
213	arginine	Amino acid	1.67	0.99	1.68
216	ornithine	Amino acid	1.06	0.97	1.09
217	urea	Amino acid	1.23	0.89	1.39
218	proline	Amino acid	0.71	0.94	0.76
221	N-acetylornithine	Amino acid	0.49	0.65	0.75
224	trans-4-hydroxyproline	Amino acid	0.62	1.01	0.61
232	creatine	Amino acid	1.02	1.05	0.97
235	2-aminobutyrate	Amino acid	3.18	1.19	2.68
238	5-methylthioadenosine (MTA)	Amino acid	0.27	0.52	0.51
239	putrescine	Amino acid	4.14	2.32	1.78
242	spermidine	Amino acid	2.08	0.90	2.31
246	4-guanidinobutanoate	Amino acid	0.38	0.58	0.65
251	glutathione, reduced (GSH)	Amino acid	0.08	0.56	0.15
252	S-methylglutathione	Amino acid	0.14	0.43	0.32
253	5-oxoproline	Amino acid	5.17	1.10	4.71
254	glutathione, oxidized (GSSG)	Amino acid	0.23	0.90	0.26
255	cysteine-glutathione disulfide	Amino acid	0.76	1.75	0.43
256	ophthalmate	Amino acid	18.20	1.83	9.95
261	glycylvaline	Peptide	0.84	0.78	1.07
262	glycylglycine	Peptide	0.61	0.95	0.64
264	glycylproline	Peptide	0.36	0.64	0.56
266	glycylleucine	Peptide	0.49	0.98	0.5
298	pro-hydroxy-pro	Peptide	0.66	0.99	0.67
305	cysteinylglycine	Peptide	0.18	0.70	0.26
321	gamma-glutamylvaline	Peptide	10.63	1.95	5.45
323	gamma-glutamylleucine	Peptide	7.74	1.60	4.83
324	gamma-glutamylisoleucine*	Peptide	4.81	1.30	3.7
333	gamma-glutamylthreonine*	Peptide	1.59	1.00	1.59
366	glucosamine	Carbohydrate	1.61	0.82	1.97
368	N-acetylglucosamine	Carbohydrate	0.52	0.78	0.66
372	erythronate*	Carbohydrate	0.89	1.10	0.81
374	N-acetylneuraminate	Carbohydrate	0.63	1.20	0.52
389	fructose	Carbohydrate	1.09	0.95	1.14
397	maltose	Carbohydrate	0.69	0.69	0.99
402	mannose	Carbohydrate	0.90	0.92	0.99
410	sorbitol	Carbohydrate	0.56	1.28	0.43
414	sucrose	Carbohydrate	1.00	1.00	1
415	tagatose	Carbohydrate	1.14	2.65	0.43
417	maltotriose	Carbohydrate	0.88	0.82	1.07
423	maltotetraose	Carbohydrate	1.08	0.88	1.22
425	maltopentaose	Carbohydrate	1.47	0.91	1.63
426	maltohexaose	Carbohydrate	2.02	0.94	2.14
430	1,5-anhydroglucitol (1,5-AG)	Carbohydrate	1.93	0.94	2.06
432	glycerate	Carbohydrate	1.54	0.83	1.87
436	glucose	Carbohydrate	0.80	1.01	0.79
444	3-phosphoglycerate	Carbohydrate	0.69	0.85	0.82
449	phosphoenolpyruvate (PEP)	Carbohydrate	0.65	0.63	1.03
450	pyruvate	Carbohydrate	0.43	0.65	0.66
451	lactate	Carbohydrate	0.70	0.89	0.78
459	6-phosphogluconate	Carbohydrate	1.88	1.15	1.64
462	ribitol	Carbohydrate	0.71	0.88	0.81
466	gluconate	Carbohydrate	2.33	1.40	1.67
468	ribose	Carbohydrate	0.77	1.16	0.67
471	ribose 5-phosphate	Carbohydrate	0.54	0.89	0.61

473	ribulose	Carbohydrate	0.41	0.73	0.56
479	xylitol	Carbohydrate	0.76	1.33	0.57
500	alpha-ketoglutarate	Energy	0.75	0.67	1.12
501	succinate	Energy	1.61	1.07	1.51
504	fumarate	Energy	0.88	1.42	0.62
507	malate	Energy	0.89	1.42	0.63
510	acetylphosphate	Energy	0.63	0.69	0.92
511	phosphate	Energy	0.88	0.88	0.99
512	pyrophosphate (PPi)	Energy	0.85	0.71	1.19
512.5	linoleate (18:2n6)	Lipid	1.01	1.52	0.67
516	linolenate [alpha or gamma; (18:3n3 or 6)]	Lipid	1.87	1.33	1.4
517	dihomo-linolenate (20:3n3 or n6)	Lipid	1.28	1.57	0.82
518	eicosapentaenoate (EPA; 20:5n3)	Lipid	1.28	1.25	1.02
519	docosapentaenoate (n3 DPA; 22:5n3)	Lipid	1.60	1.69	0.95
520	docosapentaenoate (n6 DPA; 22:5n6)	Lipid	1.39	0.39	3.59
521	docosahexaenoate (DHA; 22:6n3)	Lipid	0.80	0.67	1.19
525	caproate (6:0)	Lipid	1.79	0.57	3.12
527	caprylate (8:0)	Lipid	0.72	1.08	0.67
528	pelargonate (9:0)	Lipid	1.02	0.88	1.17
529	caprate (10:0)	Lipid	0.92	0.93	0.99
532	laurate (12:0)	Lipid	1.00	0.92	1.08
535	myristate (14:0)	Lipid	0.75	1.21	0.62
536	myristoleate (14:1n5)	Lipid	0.73	0.95	0.78
537	pentadecanoate (15:0)	Lipid	0.82	0.99	0.83
538	palmitate (16:0)	Lipid	0.85	1.11	0.76
539	palmitoleate (16:1n7)	Lipid	0.52	1.06	0.49
541	margarate (17:0)	Lipid	0.70	0.92	0.76
542	10-heptadecenoate (17:1n7)	Lipid	0.34	0.96	0.35
543	stearate (18:0)	Lipid	0.88	0.84	1.05
545	oleate (18:1n9)	Lipid	0.73	1.64	0.45
547	cis-vaccenate (18:1n7)	Lipid	0.29	1.57	0.18
552	stearidonate (18:4n3)	Lipid	3.17	1.68	1.89
553	nonadecanoate (19:0)	Lipid	1.03	1.10	0.94
554	10-nonadecenoate (19:1n9)	Lipid	0.65	1.35	0.48
559	eicosenoate (20:1n9 or 11)	Lipid	0.92	1.47	0.63
561	dihomo-linoleate (20:2n6)	Lipid	0.95	1.71	0.55
564	mead acid (20:3n9)	Lipid	1.43	0.96	1.49
565	arachidonate (20:4n6)	Lipid	1.03	0.69	1.49
569	docosadienoate (22:2n6)	Lipid	1.31	1.81	0.72
571	adrenate (22:4n6)	Lipid	1.56	1.03	1.52
589	n-Butyl Oleate	Lipid	0.88	1.08	0.81
591	4-hydroxybutyrate (GHB)	Lipid	1.17	0.53	2.21
604	2-hydroxypalmitate	Lipid	0.96	1.07	0.9
608	13-HODE + 9-HODE	Lipid	1.87	1.29	1.45
608.5	12,13-hydroxyoctadec-9(Z)-enoate	Lipid	0.40	0.87	0.46
608.6	9,10-hydroxyoctadec-12(Z)-enoic acid	Lipid	0.39	1.08	0.37
618	tetradecanedioate	Lipid	0.67	0.61	1.1
619	hexadecanedioate	Lipid	0.62	0.51	1.22
632.65	methyl palmitate (15 or 2)	Lipid	0.77	0.90	0.85
632.7	17-methylstearate	Lipid	0.52	1.09	0.48
683	propionylcarnitine	Lipid	0.75	1.23	0.61
685	butyrylcarnitine	Lipid	0.31	1.59	0.2
690.5	malonylcarnitine	Lipid	1.18	0.60	1.97
691	deoxycarnitine	Lipid	0.66	0.68	0.97
692	carnitine	Lipid	0.73	0.63	1.16

693	3-dehydrocarnitine*	Lipid	1.00	0.75	1.33
694	acetylcarnitine	Lipid	0.30	0.72	0.42
709	cholate	Lipid	11.84	0.91	13.02
712	glycocholate	Lipid	5.63	1.59	3.55
713	taurocholate	Lipid	0.09	1.31	0.07
720	taurodeoxycholate	Lipid	0.09	0.83	0.11
721	glycodeoxycholate	Lipid	5.91	1.27	4.67
736	beta-muricholate	Lipid	5.67	0.76	7.47
738	tauro-beta-muricholate	Lipid	0.06	0.70	0.08
742.2	tauroursodeoxycholate	Lipid	0.09	0.61	0.14
744	1-octadecanol	Lipid	0.92	0.91	1.01
745	choline phosphate	Lipid	0.33	0.45	0.74
746	ethanolamine	Lipid	0.93	2.69	0.34
747	phosphoethanolamine	Lipid	1.57	1.64	0.95
750	glycerol	Lipid	0.64	1.30	0.49
751	choline	Lipid	1.25	1.49	0.84
752	glycerol 3-phosphate (G3P)	Lipid	0.48	2.44	0.2
753	glycerophosphorylcholine (GPC)	Lipid	0.42	2.24	0.19
760	myo-inositol	Lipid	1.00	1.02	0.98
763	inositol 1-phosphate (I1P)	Lipid	0.76	0.74	1.02
769	3-hydroxybutyrate (BHBA)	Lipid	1.17	0.98	1.19
775	1-palmitoylglycerophosphoethanolamine	Lipid	1.52	1.73	0.88
780	1-stearoylglycerophosphoethanolamine	Lipid	2.45	2.25	1.09
781	1-oleoylglycerophosphoethanolamine	Lipid	0.83	1.39	0.6
782	2-oleoylglycerophosphoethanolamine*	Lipid	0.35	0.71	0.49
783	1-linoleoylglycerophosphoethanolamine*	Lipid	0.94	1.99	0.47
784	2-linoleoylglycerophosphoethanolamine*	Lipid	0.72	1.59	0.45
785	1-arachidonoylglycerophosphoethanolamine*	Lipid	0.76	1.00	0.76
786	2-arachidonoylglycerophosphoethanolamine*	Lipid	0.96	0.65	1.47
787	2-docosapentaenoylglycerophosphoethanolamine*	Lipid	0.92	0.18	5.07
788	2-docosahexaenoylglycerophosphoethanolamine*	Lipid	0.94	0.62	1.51
791	1-myristoylglycerophosphocholine	Lipid	0.92	0.70	1.32
793	1-pentadecanoylglycerophosphocholine*	Lipid	1.11	0.70	1.57
794	1-palmitoylglycerophosphocholine	Lipid	0.75	0.46	1.63
795	2-palmitoylglycerophosphocholine*	Lipid	0.87	0.36	2.42
796	1-palmitoleoylglycerophosphocholine*	Lipid	0.48	0.55	0.86
797	2-palmitoleoylglycerophosphocholine*	Lipid	0.57	0.49	1.17
799	1-stearoylglycerophosphocholine	Lipid	0.32	0.42	0.76
800	2-stearoylglycerophosphocholine*	Lipid	0.81	0.34	2.41
801	1-oleoylglycerophosphocholine	Lipid	0.37	0.37	1.01
802	2-oleoylglycerophosphocholine*	Lipid	0.88	0.42	2.11
803	1-linoleoylglycerophosphocholine	Lipid	0.61	0.40	1.51
804	2-linoleoylglycerophosphocholine*	Lipid	1.00	0.75	1.33
809	1-arachidonoylglycerophosphocholine*	Lipid	0.52	0.31	1.65
810	2-arachidonoylglycerophosphocholine*	Lipid	0.70	0.39	1.78
812	2-docosapentaenoylglycerophosphocholine*	Lipid	0.60	0.09	6.69
814	2-docosahexaenoylglycerophosphocholine*	Lipid	0.73	0.36	2.03
818	1-stearoylglycerophosphoinositol	Lipid	0.97	1.03	0.94
821	1-arachidonoylglycerophosphoinositol*	Lipid	0.57	0.68	0.83
831	1-palmitoylglycerol (1-monopalmitin)	Lipid	0.67	2.15	0.31
833	1-stearoylglycerol (1-monostearin)	Lipid	1.01	1.09	0.93
855	sphingosine	Lipid	1.05	0.54	1.96
864	palmitoyl sphingomyelin	Lipid	1.01	0.97	1.04
865	stearoyl sphingomyelin	Lipid	1.11	0.89	1.24
879	lathosterol	Lipid	2.12	0.91	2.33

880	squalene	Lipid	0.90	0.87	1.04
881	cholesterol	Lipid	0.90	0.78	1.16
916	beta-sitosterol	Lipid	0.63	1.03	0.61
918	campesterol	Lipid	0.80	1.22	0.66
947	xanthine	Nucleotide	0.68	0.89	0.77
948	xanthosine	Nucleotide	0.23	1.21	0.19
950	hypoxanthine	Nucleotide	1.65	0.86	1.93
951	inosine	Nucleotide	1.01	1.11	0.92
952	2'-deoxyinosine	Nucleotide	0.85	0.74	1.15
955	adenine	Nucleotide	2.04	1.14	1.79
956	adenosine	Nucleotide	0.93	1.13	0.82
958	N1-methyladenosine	Nucleotide	1.52	0.99	1.54
962	adenosine 2'-monophosphate (2'-AMP)	Nucleotide	0.50	1.05	0.47
963	adenosine 3'-monophosphate (3'-AMP)	Nucleotide	0.98	0.71	1.38
964	adenosine 5'-monophosphate (AMP)	Nucleotide	0.69	1.06	0.65
994	urate	Nucleotide	0.21	1.33	0.16
995	allantoin	Nucleotide	0.20	1.03	0.2
997	cytidine	Nucleotide	1.14	0.97	1.17
999	5-methylcytidine	Nucleotide	0.74	0.83	0.9
1006	2'-deoxycytidine	Nucleotide	0.75	1.06	0.7
1012	orotate	Nucleotide	0.71	0.87	0.82
1022	uracil	Nucleotide	1.21	0.76	1.59
1024	uridine	Nucleotide	0.79	1.00	0.78
1036	methylphosphate	Nucleotide	0.73	0.80	0.92
1039	gulono-1,4-lactone	Cofactors and vitamins	1.05	0.91	1.15
1040	ascorbate (Vitamin C)	Cofactors and vitamins	0.44	1.20	0.36
1049	5-methyltetrahydrofolate (5MeTHF)	Cofactors and vitamins	0.21	0.63	0.33
1051	biopterin	Cofactors and vitamins	1.46	0.94	1.55
1052	dihydrobiopterin	Cofactors and vitamins	1.17	1.29	0.91
1055	heme*	Cofactors and vitamins	2.80	0.24	11.56
1063	nicotinamide	Cofactors and vitamins	0.82	1.08	0.76
1066	nicotinamide adenine dinucleotide (NAD+)	Cofactors and vitamins	0.82	1.00	0.82
1073	nicotinamide riboside*	Cofactors and vitamins	0.26	1.45	0.18
1085	pantothenate	Cofactors and vitamins	0.73	0.81	0.9
1086	phosphopantetheine	Cofactors and vitamins	0.35	0.55	0.63
1087	coenzyme A	Cofactors and vitamins	0.67	0.85	0.78
1088	3'-dephosphocoenzyme A	Cofactors and vitamins	0.14	1.04	0.14
1097	pyridoxal	Cofactors and vitamins	0.55	0.74	0.74
1098	flavin adenine dinucleotide (FAD)	Cofactors and vitamins	0.65	1.00	0.65
1099	riboflavin (Vitamin B2)	Cofactors and vitamins	0.65	0.90	0.72
1100	flavin mononucleotide (FMN)	Cofactors and vitamins	0.50	0.95	0.53
1105	alpha-tocopherol	Cofactors and vitamins	0.65	1.31	0.5
1108	gamma-tocopherol	Cofactors and vitamins	1.11	0.78	1.42
1117	pyridoxate	Cofactors and vitamins	0.34	0.53	0.65
1157	glycerol 2-phosphate	Xenobiotics	0.54	1.89	0.29
1191.5	Isobar: 2-propylpentanoic acid, 2-ethylhexanoic acid	Xenobiotics	0.98	0.94	1.04
1330	ergothioneine	Xenobiotics	0.70	0.77	0.92
1360	erythritol	Xenobiotics	0.62	0.77	0.8
1366	galacturonate	Xenobiotics	1.24	1.52	0.82
	X - 01497	N/A	0.23	0.74	0.3
	X - 02029	N/A	0.05	0.49	0.1
	X - 03094	N/A	0.78	0.91	0.86
	X - 03249	N/A	0.11	0.35	0.3
	X - 03998	N/A	1.16	1.09	1.06
	X - 04015	N/A	0.44	1.01	0.44

	X - 04040	N/A	1.01	1.32	0.76
	X - 04051	N/A	0.32	0.76	0.42
	X - 04077	N/A	0.71	0.80	0.88
	X - 04357	N/A	1.93	0.67	2.89
	X - 04498	N/A	1.30	0.90	1.44
	X - 04523	N/A	0.83	1.04	0.8
	X - 04629	N/A	0.21	0.30	0.7
	X - 04987	N/A	1.14	0.91	1.25
	X - 05228	N/A	1.25	1.33	0.94
	X - 05229	N/A	1.24	1.38	0.89
	X - 06227	N/A	0.60	0.68	0.89
	X - 06350	N/A	0.97	0.80	1.2
	X - 06649	N/A	1.09	0.69	1.58
	X - 06650	N/A	0.21	3.86	0.06
	X - 06666	N/A	0.80	0.71	1.12
	X - 06667	N/A	0.58	0.83	0.7
	X - 07890	N/A	0.91	1.48	0.61
	X - 08166	N/A	0.95	0.88	1.08
	X - 08167	N/A	0.79	0.88	0.89
	X - 08169	N/A	0.11	0.51	0.22
	X - 08743	N/A	35.87	0.98	36.49
	X - 08754	N/A	2.65	1.00	2.65
	X - 08766	N/A	0.96	1.05	0.92
	X - 08791	N/A	1.09	1.75	0.62
	X - 08994	N/A	1.73	1.63	1.06
	X - 09069	N/A	0.80	1.30	0.62
	X - 09418	N/A	0.83	1.30	0.64
	X - 10266	N/A	0.42	1.58	0.27
	X - 10358	N/A	0.50	0.83	0.61
	X - 10426	N/A	1.07	0.89	1.2
	X - 10445	N/A	0.96	1.26	0.76
	X - 10457	N/A	0.80	0.69	1.15
	X - 10500	N/A	0.77	0.77	1
	X - 10593	N/A	2.29	0.98	2.34
	X - 10607	N/A	0.90	1.97	0.46
	X - 10611	N/A	0.75	0.66	1.15
	X - 10677	N/A	0.15	0.55	0.28
	X - 10753	N/A	1.31	0.90	1.46
	X - 10875	N/A	0.72	0.63	1.13
	X - 10876	N/A	0.64	0.84	0.76
	X - 11185	N/A	0.86	0.98	0.88
	X - 11204	N/A	1.26	1.02	1.24
	X - 11315	N/A	0.97	0.77	1.26
	X - 11327	N/A	1.27	1.32	0.96
	X - 11334	N/A	0.69	0.81	0.86
	X - 11412	N/A	0.96	0.72	1.32
	X - 11533	N/A	1.04	0.94	1.11
	X - 11538	N/A	0.55	0.81	0.68
	X - 11542	N/A	0.86	0.70	1.23
	X - 11570	N/A	0.24	0.55	0.43
	X - 11575	N/A	0.48	1.30	0.37
	X - 11576	N/A	0.92	0.97	0.94
	X - 11578	N/A	0.37	1.04	0.36
	X - 11580	N/A	0.86	0.96	0.9
	X - 11581	N/A	0.33	0.87	0.38

	X - 11583	N/A	0.09	0.56	0.16
	X - 11584	N/A	0.86	1.72	0.5
	X - 11585	N/A	0.70	1.31	0.53
	X - 11586	N/A	0.08	0.35	0.22
	X - 11591	N/A	1.10	1.18	0.93
	X - 11592	N/A	0.83	0.84	0.99
	X - 11593	N/A	0.24	0.47	0.51
	X - 11598	N/A	0.77	0.90	0.85
	X - 11607	N/A	0.78	1.02	0.76
	X - 11611	N/A	1.06	0.86	1.23
	X - 11612	N/A	0.81	0.97	0.84
	X - 11613	N/A	0.44	0.67	0.66
	X - 11614	N/A	1.10	0.84	1.31
	X - 11616	N/A	0.19	0.59	0.31
	X - 11617	N/A	0.34	1.79	0.19
	X - 11621	N/A	0.70	0.94	0.75
	X - 11623	N/A	3.22	0.73	4.39
	X - 11625	N/A	1.00	0.94	1.06
	X - 11629	N/A	0.95	0.54	1.75
	X - 11630	N/A	0.96	0.41	2.35
	X - 11631	N/A	0.64	0.49	1.32
	X - 11639	N/A	0.99	0.59	1.67
	X - 11641	N/A	0.41	1.22	0.34
	X - 11647	N/A	0.06	0.46	0.12
	X - 11648	N/A	0.65	0.96	0.68
	X - 11677	N/A	0.18	0.46	0.38
	X - 11684	N/A	0.46	0.98	0.47
	X - 11687	N/A	0.78	1.23	0.63
	X - 11709	N/A	0.72	0.94	0.76
	X - 11715	N/A	0.96	0.98	0.98
	X - 11718	N/A	0.72	1.19	0.6
	X - 11720	N/A	0.58	1.13	0.52
	X - 11722	N/A	0.44	1.10	0.4
	X - 11724	N/A	0.52	0.82	0.64
	X - 11725	N/A	0.45	0.65	0.7
	X - 11875	N/A	0.83	1.09	0.76
	X - 11914	N/A	1.23	1.60	0.77
	X - 12051	N/A	0.80	0.56	1.42
	X - 12104	N/A	0.81	0.94	0.86
	X - 12206	N/A	0.46	1.28	0.36
	X - 12421	N/A	0.28	0.14	1.96
	X - 12422	N/A	0.41	0.16	2.52
	X - 12435	N/A	0.75	0.81	0.92
	X - 12465	N/A	6.44	0.53	12.1
	X - 12478	N/A	1.67	0.43	3.86
	X - 12627	N/A	1.76	0.59	3
	X - 12645	N/A	0.82	0.83	0.99
	X - 12660	N/A	0.64	0.50	1.27
	X - 12663	N/A	0.91	1.44	0.63
	X - 12689	N/A	0.88	2.24	0.39
	X - 12854	N/A	1.14	0.94	1.2
	X - 12855	N/A	0.81	0.72	1.12
	X - 12953	N/A	0.18	1.12	0.16
	X - 12985	N/A	1.41	0.56	2.53
	X - 12986	N/A	0.99	0.59	1.69

	X - 12992	N/A	0.31	1.01	0.31
	X - 13007	N/A	2.76	1.31	2.1
	X - 13019	N/A	1.78	1.58	1.13
	X - 13215	N/A	0.98	0.79	1.23
	X - 13230	N/A	0.94	1.23	0.76
	X - 13496	N/A	0.87	0.89	0.98
	X - 13497	N/A	1.15	2.08	0.55
	X - 13502	N/A	12.88	1.40	9.23
	X - 13505	N/A	155.97	1.34	116.6
	X - 13557	N/A	1.65	0.72	2.3
	X - 13560	N/A	0.84	1.09	0.77
	X - 13671	N/A	0.83	1.11	0.75
	X - 13872	N/A	0.90	1.33	0.67
	X - 14088	N/A	0.59	1.02	0.58
	X - 14089	N/A	0.61	0.98	0.62
	X - 14092	N/A	0.79	0.90	0.88
	X - 14130	N/A	0.80	1.64	0.49
	X - 14567	N/A	0.97	0.80	1.22
	X - 14619	N/A	1.48	1.36	1.09
	X - 14624	N/A	1622.79	16.43	98.79
	X - 14626	N/A	0.96	1.10	0.87
	X - 14837	N/A	1.91	1.68	1.14
	X - 15136	N/A	0.86	1.11	0.77
	X - 15222	N/A	1.04	0.90	1.16
	X - 15301	N/A	0.76	1.29	0.59
	X - 15312	N/A	0.69	1.34	0.51
	X - 15382	N/A	0.31	1.02	0.31
	X - 15401	N/A	0.18	0.39	0.47
	X - 15415	N/A	0.71	1.21	0.58
	X - 15484	N/A	0.30	0.90	0.33
	X - 15507	N/A	1.38	1.95	0.71
	X - 15520	N/A	1.67	1.27	1.32
	X - 15545	N/A	1.05	0.95	1.1
	X - 15546	N/A	1.36	1.25	1.08
	X - 15552	N/A	0.18	0.81	0.23
	X - 15555	N/A	1.74	0.56	3.14
	X - 15558	N/A	1.05	1.12	0.94
	X - 15559	N/A	1.00	1.12	0.89
	X - 15562	N/A	1.00	1.12	0.89
	X - 15563	N/A	1.01	1.12	0.9
	X - 15594	N/A	1.52	1.22	1.25
	X - 15624	N/A	0.98	1.09	0.9
	X - 15649	N/A	1.12	0.97	1.16
	X - 15937	N/A	1.39	0.75	1.85
	X - 16103	N/A	1.27	1.05	1.2
	X - 16186	N/A	0.34	0.79	0.44
	X - 16243	N/A	0.80	0.89	0.9
	X - 16255	N/A	1.17	1.06	1.11
	X - 16397	N/A	0.58	0.92	0.63
	X - 16578	N/A	0.93	0.69	1.34
	X - 16580	N/A	0.65	1.02	0.64
	X - 16803	N/A	7.45	0.57	12.98
	X - 16804	N/A	1.34	1.00	1.34
	X - 16812	N/A	1.40	1.00	1.4
	X - 16819	N/A	1.56	0.29	5.39

	X - 16826	N/A	4.18	0.45	9.25
	X - 16831	N/A	1.13	1.04	1.09
	X - 16853	N/A	0.61	1.29	0.48
	X - 16869	N/A	0.31	1.03	0.3
	X - 16970	N/A	0.57	0.61	0.93
	X - 17008	N/A	0.41	0.83	0.5
	X - 17009	N/A	0.51	0.79	0.65
	X - 17010	N/A	1.42	0.74	1.93
	X - 17011	N/A	0.65	0.53	1.23
	X - 17024	N/A	1.57	0.26	6.04
	X - 17263	N/A	0.14	0.62	0.23