Table S5A. Detailed information about motif analysis with motif-X.

Genbank Accession	Gene Description	Extract Sequence (13 aa)	Motif Pattern
gi|15607372	Probable acyl-CoA dehydrogenase FadE4	AAKGVEKDTFFET	.....EK.....
gi|57116786	Probable acyl-[acyl-carrier protein] desaturase DesA1 (acyl-[ACP] desaturase) (stearoyl-ACP desaturase) (protein Des)	LEPVVEKYLNRHL	.....EK.....
gi|15611017	Secreted ESX-1 substrate protein B, EspB. Conserved alanine and glycine rich protein	YQQRSEKVLTEYN	.....EK.....
gi|15609324	Long-chain-fatty-acid-CoA ligase FadD15 (fatty-acid-CoA synthetase) (fatty-acid-CoA synthase)	VPRVFEKVYNTAE	.....EK.....
gi|15608889	Probable oxidoreductase	QVTLLEKHGDFLR	.....EK.....
gi|15607581	60 kDa chaperonin 2 GroEL2 (protein CPN60-2) (GroEL protein 2) (65 kDa antigen) (heat shock protein 65) (cell wall protein A) (antigen A)	DKPEKEKASVPGG	.....EK.....
gi|15609234	Proteasome accessory factor a PafA	PHADAEKYRRLHV	.....EK.....
gi|15610554	10 kDa chaperonin GroES (protein CPN10) (protein GroES) (BCG-a heat shock protein) (10 kDa antigen)	WDEDGEKRIPLDV	.....EK.....
gi|15607352	Probable iron-regulated phosphoenolpyruvate carboxykinase [GTP] PckA (phosphoenolpyruvate carboxylase) (PEPCK)(pep carboxykinase)	GKAALEKMGDDGF	.....EK.....
gi|15607807	DNA-directed RNA polymerase (beta chain) RpoB (transcriptase beta chain) (RNA polymerase beta subunit)	MRSTLEKDNTVGT	.....EK.....
gi|15610231	Conserved hypothetical protein	IEILAEKIARWAR	.....EK.....
gi|15608045	Possible enoyl-CoA hydratase EchA6 (enoyl hydrase) (unsaturated acyl-CoA hydratase) (crotonase)	MLLSAEKLTAEIA	.....EK.....
gi|15607581	60 kDa chaperonin 2 GroEL2 (protein CPN60-2) (GroEL protein 2) (65 kDa antigen) (heat shock protein 65) (cell wall protein A) (antigen A)	IEKAVEKVTETLL	.....EK.....
gi|15607296	Probable acyl-CoA dehydrogenase FadE2	ARLLCEKAAWTID	.....EK.....
gi|57117125	Arylamine N-acetyltransferase Nat (arylamine acetylase)	RAGGTEKIRLADA	.....EK.....
gi|15609920	Bifunctional protein polyribonucleotide nucleotidyltransferase GpsI: guanosine pentaphosphate synthetase + polyribonucleotide nucleotidyltransferase (polynucleotide phosphorylase) (pnpase)	TYEGREKEVGAAL	.....EK.....
gi|15607504	Probable fructose-bisphosphate aldolase Fba	SPEDFEKTIEALG	.....EK.....
gi|15608630	Probable methylmalonyl-CoA mutase small subunit MutA (MCM)	YLAGPEKALGDAA	.....EK.....
gi|15609013	Probable bacterioferritin BfrA	IVMCREKQDTTSA	.....EK.....
gi|15610706	Possible oxidoreductase. Possible 3-hydroxy-9,10-seconandrost-1,3,5(10)-triene-9,17-dione hydroxylase	AAFAGEKAKDDPF	.....EK.....
gi|15609417	Probable dehydrogenase	LIEAREKAFWAAK	.....EK.....
gi|15609282	Diviva family protein Wag31	LRQAQEKADALQA	.....EK.....
gi|57116786	Probable acyl-[acyl-carrier protein] desaturase DesA1 (acyl-[ACP] desaturase) (stearoyl-ACP desaturase) (protein Des)	DPVELEKLRLEVV	.....EK.....
gi|15607808	DNA-directed RNA polymerase (beta' chain) RpoC (transcriptase beta' chain) (RNA polymerase beta' subunit)	RADKVEKQFQRGA	.....EK.....
gi|15609585	Probable valyl-tRNA synthase protein ValS (valyl-tRNA synthetase) (valine--tRNA ligase) (valine translase)	GRVVEEKRPYLHS	.....EK.....
gi|15607781	50S ribosomal protein L1 RplA	VFAVGEKADAAVA	.....EK.....
gi|15610286	Probable NADH dehydrogenase I (chain F) NuoF (NADH-ubiquinone oxidoreductase chain F)	RSMGSEKSPGFTL	.....EK.....
gi|15608765	Probable nonspecific lipid-transfer protein	SKSFTEKHLGSVA	.....EK.....
gi|15607581	60 kDa chaperonin 2 GroEL2 (protein CPN60-2) (GroEL protein 2) (65 kDa antigen) (heat shock protein 65) (cell wall protein A) (antigen A)	LEDPYEKIGAELV	.....EK.....
gi|15610728	Possible heme degrading protein MhuD	AGPELEKRFAHRA	.....EK.....
gi|15607581	60 kDa chaperonin 2 GroEL2 (protein CPN60-2) (GroEL protein 2) (65 kDa antigen) (heat shock protein 65) (cell wall protein A) (antigen A)	PGVVAEKVRNLPA	.....EK.....
gi|15610416	Probable propionyl-CoA carboxylase beta chain 5 AccD5 (pccase) (propanoyl-CoA:carbon dioxide ligase)	NFNLGEKRPLGDG	.....EK.....
gi|15609848	Iron-dependent repressor and activator IdeR	HLELTEKGRALAI	.....EK.....
gi|15607581	60 kDa chaperonin 2 GroEL2 (protein CPN60-2) (GroEL protein 2) (65 kDa antigen) (heat shock protein 65) (cell wall protein A) (antigen A)	RNVVLEKKWGAPT	.....EK.....
gi|57116903	Possible succinate-semialdehyde dehydrogenase [NADP+] dependent (SSDH) GabD2	ERIYVEKDIAEEF	.....EK.....
gi|161352467	Multifunctional alpha-ketoglutarate metabolic enzyme	VQPVLEKRREMAY	.....EK.....
gi|15608992	Possible oxidoreductase	YGTGVEKLFPSVI	.....EK.....
gi|15610305	Conserved protein	GMWKGEKFVERRT	.....EK.....
gi|448824790	Probable lipid-transfer protein Ltp1	GMTKFEKPGRREG	.....EK.....
gi|15610026	Probable elongation factor Tsf (EF-ts)	SAKIGEKLELRRV	.....EK.....
gi|15610417	Probable bifunctional protein acetyl-/propionyl-coenzyme A carboxylase (epsilon chain) AccE5	PAPVTEKPLHPHE	.....EK.....
gi|15608767	Probable DNA polymerase I PolA	PEAVVEKYGLTPR	.....EK.....
gi|15610936	Polyketide synthase Pks13	PRDVVEKEPEPEP	.....EK.....
gi|15607823	30S ribosomal protein S7 RpsG	SRQRREKTMIERL	.....EK.....
gi|15609976	Probable translation initiation factor if-2 InfB	ASLRREKDDVTEV	.....EK.....
gi|15607208	Probable isocitrate dehydrogenase [NADP] Icd2 (oxalosuccinate decarboxylase) (IDH) (NADP+-specific ICDH) (IDP)	PKTDQEKAIKERY	.....EK.....
gi|15607491	Probable chaperone protein DnaK (heat shock protein 70) (heat shock 70 kDa protein) (HSP70)	GLDKGEKEQRILV	.....EK.....
gi|15610166	Probable electron transfer flavoprotein (beta-subunit) FixA (beta-ETF) (electron transfer flavoprotein small subunit) (ETFSS)	AKTAGEKVTDEGE	.....EK.....
gi|15610937	Fatty-acid-AMP ligase FadD32 (fatty-acid-AMP synthetase) (fatty-acid-AMP synthase). Also shown to have acyl-ACP ligase activity	LVRHVEKWAKVRG	.....EK.....
gi|57117131	Probable ATP-dependent protease ATP-binding subunit ClpC1	PVIGREKEIERVM	.....EK.....
gi|15607808	DNA-directed RNA polymerase (beta' chain) RpoC (transcriptase beta' chain) (RNA polymerase beta' subunit)	RTLKPEKDGLFCE	.....EK.....
gi|15608626	Possible exported conserved protein	QAKAIEKTFAAIK	.....EK.....
gi|15608000	Probable fatty oxidation protein FadB	AEAVVEKMIELGR	.....EK.....
gi|15608468	Probable glycogen phosphorylase GlgP	AYTAVEKLTPPEV	.....EK.....
gi|15607525	Probable endopeptidase ATP binding protein (chain B) ClpB (ClpB protein) (heat shock protein F84.1)	RIPEVEKKLDAAL	.....EK.....
gi|15609298	Conserved protein	GLYVPEKTHVPIS	.....EK.....
gi|57116686	30S ribosomal protein S18-1 RpsR1	RRPAPEKPVKTRK	.....EK.....
gi|15609638	Probable acetyl-/propionyl-coenzyme A carboxylase alpha chain (alpha subunit) AccA1: biotin carboxylase + biotin carboxyl carrier protein (BCCP)	RVGAGEKLGFAQN	.....EK.....
gi|15607873	Adenylate kinase Adk (ATP-AMP transphosphorylase)	AVKLAEKLGIPQI	.....EK.....
gi|15607548	F420-dependent glucose-6-phosphate dehydrogenase Fgd1	EELYTEKLMPAVR	.....EK.....
gi|15608531	Probable S-adenosylmethionine synthetase MetK (mat) (AdoMet synthetase) (methionine adenosyltransferase)	ADIDLEKTLDPDI	.....EK.....
gi|15608000	Probable fatty oxidation protein FadB	EIIKGEKTSDEAL	.....EK.....
gi|15610019	Ribosome recycling factor Frr (ribosome releasing factor) (RRF)	EVGRAEKDLDKTT	.....EK.....
gi|15608833	Inorganic polyphosphate/ATP-NAD kinase PpnK (poly(P)/ATP NAD kinase)	TARRVEKVLGDNK	.....EK.....
gi|15609031	Conserved hypothetical protein	QFTKVEKTATVIE	.....EK.....
gi|15607795	Possible ribonucleotide-transport ATP-binding protein ABC transporter Mkl	GLGGDEKKFPGEI	.....EK.....
gi|57116735	Possible mycolic acid synthase UmaA	ADFSVEKVQLLQQ	.....EK.....
gi|15609658	Probable bacterioferritin comigratory protein Bcp	SPDKPEKLATFRD	.....EK.....
gi|15608000	Probable fatty oxidation protein FadB	GKGYSEKLEAKAL	.....EK.....
gi|15610421	(BCCP)	RIANGEKLDITED	.....EK.....
gi|15608262	Probable 6-phosphogluconate dehydrogenase,decarboxylating Gnd2	DDLRHEKLLFKKG	.....EK.....
gi|15608876	Conserved protein	RLRWREKELVGVG	.....EK.....
gi|15607581	60 kDa chaperonin 2 GroEL2 (protein CPN60-2) (GroEL protein 2) (65 kDa antigen) (heat shock protein 65) (cell wall protein A) (antigen A)	SDYDREKLQERLA	.....EK.....
gi|15608029	Probable citrate synthase II CitA	ILDRGEKLMGFGH	.....EK.....
gi|15607581	60 kDa chaperonin 2 GroEL2 (protein CPN60-2) (GroEL protein 2) (65 kDa antigen) (heat shock protein 65) (cell wall protein A) (antigen A)	LKRGIEKAVEKVT	.....EK.....
gi|15609277	Conserved protein TB18.6	HAVKVEKLDLPED	.....EK.....
gi|15610198	Probable acyl-CoA dehydrogenase FadE22	IERFVEKALRQQE	.....EK.....
gi|15610554	10 kDa chaperonin GroES (protein CPN10) (protein GroES) (BCG-a heat shock protein) (10 kDa antigen)	PDTAKEKPQEGTV	.....EK.....
gi|15608586	Probable transaldolase Tal	LAHETEKTIQQAI	.....EK.....
gi|15607491	Probable chaperone protein DnaK (heat shock protein 70) (heat shock 70 kDa protein) (HSP70)	LVYQTEKFVKEQR	.....EK.....
gi|15607411	Probable fatty-acid-CoA ligase FadD2 (fatty-acid-CoA synthetase) (fatty-acid-CoA synthase)	ILDQLEKTEPKPD	.....EK.....
gi|15608451	Probable ATP synthase epsilon chain AtpC	VEREGEKDLRIAV	.....EK.....
gi|15610166	Probable electron transfer flavoprotein (beta-subunit) FixA (beta-ETF) (electron transfer flavoprotein small subunit) (ETFSS)	ALQIREKEAADGI	.....EK.....
gi|15608234	Possible acyl-[acyl-carrier protein] desaturase DesA2 (acyl-[ACP] desaturase) (stearoyl-ACP desaturase)	KGYRAEKYTQVET	.....EK.....
gi|15607384	Probable acetyl-CoA acyltransferase FadA2 (3-ketoacyl-CoA thiolase) (beta-ketothiolase)	PNSSVEKLATLRP	.....EK.....
gi|15610410	Probable acyl-CoA dehydrogenase FadE25	AAEVDEKARFPEE	.....EK.....
gi|15610416	Probable propionyl-CoA carboxylase beta chain 5 AccD5 (pccase) (propanoyl-CoA:carbon dioxide ligase)	GEDAVEKVHAKGK	.....EK.....
gi|15610447	Conserved protein	AVREWEKLERFVE	.....EK.....
gi|15609751	Probable threonyl-tRNA synthetase ThrS (threonine-tRNA synthetase)(ThrRS) (threonine-tRNA ligase)	TVYRYEKSGVVHG	.....EK.....
gi|15610985	ESX-1 transcriptional regulatory protein EspR	DDEYYEKLDKELQ	.....EK.....
gi|15609357	Glutamine synthetase GlnA1 (glutamine synthase) (GS-I)	KLAKDEKVEYVDV	.....EK.....
gi|15607776	(3R)-hydroxyacyl-ACP dehydratase subunit HadB	GDQLPEKTYPLTR	.....EK.....
gi|15610553	60 kDa chaperonin 1 GroEL1 (protein CPN60-1) (GroEL protein 1)	SDWDREKLGERLA	.....EK.....
gi|15608531	Probable S-adenosylmethionine synthetase MetK (mat) (AdoMet synthetase) (methionine adenosyltransferase)	DPDIREKVLNTVL	.....EK.....
gi|57117019	Conserved 35 kDa alanine rich protein	QLADIEKLQVNVR	.....EK.....
gi|15610384	Probable adenosylhomocysteinase SahH (S-adenosyl-L-homocysteine hydrolase) (adohcyase)	PKHLDEKVARIHV	.....EK.....
gi|15609902	Probable alanine rich hydrolase	TADHAEKLDKAFS	.....EK.....

gi|15609692	Probable alanyl-tRNA synthetase AlaS (alanine--tRNA ligase) (alanine translase) (ALARS)	RLRAAEKELERVR	.....EK.....
gi|15608000	Probable fatty oxidation protein FadB	DRLVAEKDSITGV	.....EK.....
gi|15608432	Probable arginyl-tRNA synthetase ArgS (ARGRS) (arginine--tRNA ligase)	TGNIYEKDGATWL	.....EK.....
gi|15610269	Two component transcriptional regulatory protein DevR (probably LuxR/UhpA-family)	RMFLAEKTVKNYV	.....EK.....
gi|15607603	Dihydrolipoamide dehydrogenase LpdC (lipoamide reductase (NADH)) (lipoyl dehydrogenase) (dihydrolipoyl dehydrogenase) (diaphorase)	VSKEIEKQFKKLG	.....EK.....
gi|57117051	Ribonucleoside-diphosphate reductase (beta chain) NrdF2 (ribonucleotide reductase small subunit) (R2F protein)	NRLQDEKDAEVWD	.....EK.....
gi|15608111	Probable enoyl-CoA hydratase EchA7 (enoyl hydrase) (unsaturated acyl-CoA hydratase) (crotonase)	YYLTGEKFGAREA	.....EK.....
gi|15608450	Probable ATP synthase beta chain AtpD	MTTTAEKTDRPGK	.....EK.....
gi|15610913	Probable oxidoreductase	TAGSPEKLELCRD	.....EK.....
gi|15609613	Probable NAD-dependent glutamate dehydrogenase Gdh (NAD-Gdh) (NAD-dependent glutamic dehydrogenase)	EALPSEKEIARRS	.....EK.....
gi|15608519	Probable pyrimidine operon regulatory protein PyrR	AHQIIEKTALDDP	.....EK.....
gi|15607525	Probable endopeptidase ATP binding protein (chain B) ClpB (ClpB protein) (heat shock protein F84.1)	YRKHIEKDAALER	.....EK.....
gi|15607955	Probable thiosulfate sulfurtransferase CysA2 (rhodanese-like protein) (thiosulfate cyanide transsulfurase) (thiosulfate thiotransferase)	KLYGHEKVKLLDG	.....EK.....
gi|15609045	Catalase-peroxidase-peroxynitritase T KatG	GCAAIEKAAKAAG	.....EK.....
gi|15609359	Probable glutamine synthetase GlnA2 (glutamine synthase) (GS-II)	GLRGVEKGYVLGP	.....EK.....
gi|15610410	Probable acyl-CoA dehydrogenase FadE25	IRALAEKEIAPHA	.....EK.....
gi|15609348	Probable aminomethyltransferase GcvT (glycine cleavage system T protein)	AALLAEKAAGPRR	.....EK.....
gi|15608613	Probable iron-regulated aconitate hydratase Acn (citrate hydro-lyase) (aconitase)	TLKVGEKSYQIYR	.....EK.....
gi|15610188	Ribonucleoside-diphosphate reductase (alpha chain) NrdE (ribonucleotide reductase small subunit) (R1F protein)	RENADEKIRIKTL	.....EK.....
gi|15608974	Malate synthase G GlcB	KARAAEKPAPSDR	.....EK.....
gi|15607412	Probable acyl-CoA dehydrogenase FadE6	LDPSTEKLRAQIR	.....EK.....
gi|15609220	Conserved hypothetical protein	EGSGQEKPVEKRL	.....EK.....
gi|15607195	30S ribosomal protein S6 RpsF	DGGKVEKVDIWGK	.....EK.....
gi|15607383	Probable 3-oxoacyl-[acyl-carrier protein] reductase FabG4 (3-ketoacyl-acyl carrier protein reductase)	LRAALEKDYDLVG	.....EK.....
gi|15608203	Conserved hypothetical protein	GILRAEKILDAVR	.....EK.....
gi|15608613	Probable iron-regulated aconitate hydratase Acn (citrate hydro-lyase) (aconitase)	ARNAVEKGLTSKP	.....EK.....
gi|15607845	30S ribosomal protein S19 RpsS	VDVQNEKNTKQVI	.....EK.....
gi|15608092	Probable succinyl-CoA synthetase (alpha chain) SucD (SCS-alpha)	VAEAMEKTGADVS	.....EK.....
gi|15608527	Putative integration host factor MihF	RAAALEKAAAARR	.....EK.....
gi|15609614	Probable macrolide-transport ATP-binding protein ABC transporter	YSTYLEKKAERLA	.....EK.....
gi|15610692	Probable acetyl-CoA acetyltransferase FadA6 (acetoacetyl-CoA thiolase)	SELIAEKWNLSRE	.....EK.....
gi|15608450	Probable ATP synthase beta chain AtpD	EPGYGEKFEHWSI	.....EK.....
gi|15608621	3-oxoacyl-[acyl-carrier protein] reductase FabG1 (3-ketoacyl-acyl carrier protein reductase) (mycolic acid biosynthesis a protein)	MRMTEEKFEKVIN	.....EK.....

Parameters for this run:
fgtype = 'prealigned'
fgcentralres = 'K'
width = '13'
occurrences = '20'
significance = '0.000001'
bgdb = 'uploaded'
bgfile = 'K.out'
bgtype = 'prealigned'
bgcentralres = 'K'

Motif	Motif Score	Foreground Size	Background Mat	Background Size	Fold Increase
.....EK.....	7.26	1500	1357	25575	1.63

Table S5B. The list of succinylated protein surface accessibility and secondary structure predictions.

Class assignment - B for buried or E for Exposed - Threshold: 25% exposure, but not based on RSA	Amino acid	Sequence name	Amino acid number	Relative Surface Accessibility - RSA	Absolute Surface Accessibility	Z-fit score for RSA prediction	Probability for Alpha-Helix	Probability for Beta-strand	Probability for Coil
E	K	gi|15607144	96	0.503	103.405	-0.379	0.004	0.085	0.91
B	K	gi|15607144	247	0.153	31.472	0.354	0.001	0.9	0.099
E	K	gi|15607144	260	0.551	113.258	1.331	0.053	0.043	0.903
E	K	gi|15607144	236	0.431	88.616	-0.913	0.004	0.514	0.481
E	K	gi|15607144	216	0.499	102.603	1.449	0.923	0.002	0.076
E	K	gi|15607148	325	0.651	133.993	1.362	0.97	0.001	0.03
E	K	gi|15607148	49	0.329	67.696	0.78	0.113	0.043	0.844
E	K	gi|15607148	224	0.398	81.827	-0.687	0.053	0.043	0.903
E	K	gi|15607148	245	0.602	123.893	0.053	0.169	0.612	0.219
B	K	gi|15607151	27	0.209	43.032	1.837	0.001	0.959	0.04
E	K	gi|15607151	37	0.33	67.943	1.2	0.717	0.014	0.269
E	K	gi|15607186	152	0.545	112.024	0.257	0.005	0.262	0.733
E	K	gi|15607186	118	0.308	63.417	-0.321	0.053	0.005	0.942
E	K	gi|15607195	39	0.545	112.004	1.478	0.001	0.959	0.04
E	K	gi|15607195	66	0.391	80.49	0.848	0.002	0.816	0.182
E	K	gi|15607196	116	0.561	115.357	-0.67	0.113	0.043	0.844
E	K	gi|15607198	106	0.754	155.077	1.836	0.923	0.002	0.076
E	K	gi|15607201	6	0.463	95.177	0.478	0.02	0.205	0.775
E	K	gi|15607208	38	0.525	107.972	0.861	0.021	0.756	0.223
E	K	gi|15607208	630	0.365	75.122	1.923	0.938	0.007	0.055
E	K	gi|15607208	634	0.491	101.06	1.729	0.97	0.001	0.03
E	K	gi|15607208	262	0.302	62.183	0.233	0.074	0.484	0.442
E	K	gi|15607208	474	0.42	86.332	1.607	0.975	0.003	0.022
E	K	gi|15607208	117	0.63	129.55	0.371	0.109	0.005	0.886
E	K	gi|15607208	122	0.484	99.518	0.806	0.923	0.002	0.076
E	K	gi|15607208	594	0.407	83.72	1.225	0.938	0.007	0.055
E	K	gi|15607208	278	0.406	83.535	1.773	0.97	0.001	0.03
E	K	gi|15607208	653	0.509	104.701	0.079	0.113	0.087	0.8
E	K	gi|15607208	506	0.388	79.894	1.71	0.97	0.001	0.03
E	K	gi|15607208	510	0.646	132.882	1.441	0.502	0.002	0.495
E	K	gi|15607208	648	0.4	82.239	-0.065	0.018	0.019	0.964
E	K	gi|15607208	100	0.483	99.394	1.711	0.97	0.001	0.03
E	K	gi|15607208	205	0.717	147.405	0.228	0.005	0.045	0.951
E	K	gi|15607208	208	0.555	114.143	0.923	0.021	0.279	0.699
E	K	gi|15607208	591	0.504	103.693	0.659	0.782	0.003	0.216
E	K	gi|15607208	371	0.585	120.396	0.795	0.053	0.043	0.903
E	K	gi|15607223	15	0.387	79.544	1.423	0.879	0.01	0.111
E	K	gi|15607230	115	0.62	127.596	-0.084	0.021	0.279	0.699
E	K	gi|15607230	147	0.399	82.074	1.498	0.005	0.262	0.733
E	K	gi|15607261	509	0.392	80.696	-1.564	0.257	0.016	0.727
E	K	gi|15607269	34	0.377	77.569	1.421	0.001	0.959	0.04
B	K	gi|15607273	352	0.039	7.94	0.268	0.97	0.001	0.03
B	K	gi|15607279	104	0.202	41.593	1.815	0.97	0.001	0.03
E	K	gi|15607283	50	0.608	125.127	0.695	0.923	0.002	0.076
E	K	gi|15607290	110	0.627	128.974	1.301	0.053	0.043	0.903
E	K	gi|15607290	184	0.658	135.371	0.745	0.109	0.005	0.886
E	K	gi|15607290	259	0.691	142.036	-0.891	0.005	0.015	0.979
E	K	gi|15607291	247	0.314	64.672	0.157	0.181	0.016	0.803
E	K	gi|15607296	323	0.544	111.88	0.239	0.115	0.016	0.868
E	K	gi|15607296	124	0.456	93.82	0.136	0.191	0.086	0.723
B	K	gi|15607296	312	0.183	37.664	1.067	0.97	0.001	0.03
E	K	gi|15607297	29	0.677	139.259	1.06	0.858	0.002	0.139
E	K	gi|15607321	18	0.445	91.557	1.795	0.97	0.001	0.03
E	K	gi|15607330	480	0.495	101.78	0.337	0.018	0.047	0.935
E	K	gi|15607331	82	0.248	50.931	1.618	0.97	0.001	0.03
E	K	gi|15607352	169	0.427	87.772	1.584	0.879	0.01	0.111
E	K	gi|15607352	192	0.546	112.312	-1.168	0.019	0.141	0.84
E	K	gi|15607352	304	0.705	145.08	-0.557	0.018	0.019	0.964
E	K	gi|15607352	492	0.433	89.171	-0.002	0.018	0.019	0.964
E	K	gi|15607352	67	0.564	116.077	-0.434	0.018	0.019	0.964
E	K	gi|15607352	422	0.42	86.332	-0.837	0.018	0.019	0.964
E	K	gi|15607352	602	0.396	81.457	1.399	0.923	0.002	0.076
E	K	gi|15607352	164	0.248	51.014	0.734	0.858	0.002	0.139
E	K	gi|15607352	113	0.375	77.137	1.516	0.923	0.002	0.076
B	K	gi|15607357	89	0.061	12.63	-1.324	0.021	0.756	0.223
E	K	gi|15607362	249	0.352	72.406	2.083	0.97	0.001	0.03
E	K	gi|15607363	33	0.3	61.772	0.876	0.181	0.016	0.803
B	K	gi|15607363	138	0.23	47.352	-0.429	0.199	0.152	0.649
E	K	gi|15607363	31	0.644	132.533	0.621	0.246	0.004	0.75
E	K	gi|15607364	10	0.323	66.421	0.889	0.056	0.142	0.802
E	K	gi|15607372	355	0.299	61.504	0.314	0.181	0.016	0.803
E	K	gi|15607372	424	0.393	80.861	0.152	0.148	0.418	0.435
B	K	gi|15607382	240	0.278	57.102	-0.62	0.004	0.42	0.576
E	K	gi|15607382	268	0.655	134.754	0.233	0.005	0.015	0.979
E	K	gi|15607382	158	0.55	113.053	-0.482	0.053	0.043	0.903
E	K	gi|15607383	66	0.473	97.214	0.801	0.782	0.003	0.216
E	K	gi|15607383	288	0.328	67.408	1.21	0.004	0.085	0.91
E	K	gi|15607383	302	0.302	62.039	0.297	0.115	0.016	0.868
E	K	gi|15607384	245	0.416	85.633	0.402	0.802	0.014	0.185
E	K	gi|15607384	415	0.366	75.307	-0.349	0.113	0.087	0.8
B	K	gi|15607384	378	0.179	36.882	0.455	0.022	0.359	0.619
E	K	gi|15607384	192	0.664	136.503	1.043	0.923	0.002	0.076
E	K	gi|15607384	146	0.517	106.388	-0.927	0.622	0.015	0.363
E	K	gi|15607385	466	0.504	103.714	-0.753	0.406	0.004	0.59
E	K	gi|15607385	394	0.466	95.815	0.009	0.522	0.016	0.462
E	K	gi|15607385	179	0.356	73.209	1.561	0.011	0.918	0.071
E	K	gi|15607385	338	0.51	104.948	-1.383	0.115	0.016	0.868
E	K	gi|15607388	121	0.517	106.326	-1.05	0.052	0.084	0.864
E	K	gi|15607389	68	0.48	98.818	0.943	0.97	0.001	0.03
B	K	gi|15607389	276	0.038	7.899	0.185	0.001	0.9	0.099
E	K	gi|15607389	79	0.44	90.529	-0.47	0.176	0.004	0.82
E	K	gi|15607389	33	0.425	87.402	2.288	0.005	0.336	0.66
E	K	gi|15607389	217	0.314	64.61	-0.707	0.113	0.087	0.8
B	K	gi|15607389	147	0.194	39.803	0.895	0.97	0.001	0.03
E	K	gi|15607391	25	0.363	74.71	0.476	0.879	0.01	0.111
B	K	gi|15607407	887	0.183	37.602	1.396	0.97	0.001	0.03

E	K	gi|15607411	295	0.466	95.877	1.4	0.003	0.003	0.994
E	K	gi|15607411	327	0.374	76.891	-0.847	0.115	0.016	0.868
E	K	gi|15607412	384	0.671	138.107	0.904	0.053	0.005	0.942
B	K	gi|15607412	638	0.096	19.644	0.418	0.97	0.001	0.03
B	K	gi|15607412	695	0.249	51.24	0.368	0.858	0.002	0.139
E	K	gi|15607412	544	0.392	80.573	0.696	0.022	0.359	0.619
B	K	gi|15607412	431	0.105	21.598	-2	0.257	0.016	0.727
E	K	gi|15607412	371	0.389	80.017	-0.27	0.257	0.016	0.727
B	K	gi|15607413	275	0.18	37.005	0.038	0.135	0.317	0.548
E	K	gi|15607434	363	0.645	132.759	2.052	0.923	0.002	0.076
B	K	gi|15607456	85	0.255	52.433	-2.247	0.018	0.088	0.893
E	K	gi|15607473	216	0.499	102.583	1.059	0.018	0.088	0.893
E	K	gi|15607473	80	0.554	113.958	-0.524	0.115	0.016	0.868
E	K	gi|15607474	75	0.461	94.848	-0.031	0.023	0.655	0.322
E	K	gi|15607475	274	0.618	127.04	-0.842	0.018	0.088	0.893
E	K	gi|15607475	246	0.461	94.787	0.743	0.004	0.514	0.481
B	K	gi|15607488	97	0.19	39.062	1.209	0.97	0.001	0.03
E	K	gi|15607491	564	0.432	88.945	2.059	0.97	0.001	0.03
E	K	gi|15607491	465	0.418	86.065	0.075	0.021	0.451	0.528
E	K	gi|15607491	469	0.419	86.229	-0.745	0.004	0.616	0.381
E	K	gi|15607491	228	0.521	107.211	-0.474	0.923	0.002	0.076
E	K	gi|15607491	535	0.383	78.824	0.07	0.058	0.017	0.925
E	K	gi|15607491	543	0.432	88.883	2.408	0.97	0.001	0.03
E	K	gi|15607491	333	0.476	97.81	-0.638	0.018	0.047	0.935
E	K	gi|15607491	337	0.414	85.119	-0.813	0.004	0.197	0.799
E	K	gi|15607491	217	0.428	88.019	0.438	0.858	0.002	0.139
E	K	gi|15607491	226	0.508	104.578	-0.924	0.181	0.016	0.803
E	K	gi|15607491	525	0.563	115.891	0.855	0.694	0.003	0.303
E	K	gi|15607491	84	0.45	92.668	-0.057	0.021	0.451	0.528
E	K	gi|15607491	85	0.521	107.211	-0.117	0.004	0.616	0.381
E	K	gi|15607491	98	0.283	58.193	1.997	0.988	0	0.012
E	K	gi|15607491	483	0.468	96.37	-0.522	0.858	0.002	0.139
E	K	gi|15607491	159	0.468	96.309	-0.276	0.181	0.016	0.803
E	K	gi|15607491	162	0.367	75.451	-0.594	0.018	0.088	0.893
E	K	gi|15607491	491	0.567	116.55	1.145	0.923	0.002	0.076
E	K	gi|15607491	327	0.364	74.978	1.037	0.97	0.001	0.03
B	K	gi|15607491	55	0.223	45.789	1.138	0.975	0.003	0.022
E	K	gi|15607491	522	0.617	126.896	1.382	0.923	0.002	0.076
E	K	gi|15607491	131	0.259	53.194	1.315	0.97	0.001	0.03
E	K	gi|15607491	215	0.464	95.527	1.522	0.97	0.001	0.03
B	K	gi|15607492	88	0.102	21.043	0.057	0.97	0.001	0.03
E	K	gi|15607492	107	0.692	142.324	1.01	0.782	0.003	0.216
E	K	gi|15607492	7	0.649	133.438	0.925	0.115	0.016	0.868
B	K	gi|15607498	198	0.198	40.626	1.189	0.782	0.003	0.216
E	K	gi|15607498	393	0.383	78.886	1.454	0.97	0.001	0.03
E	K	gi|15607498	174	0.613	126.094	0.678	0.694	0.003	0.303
B	K	gi|15607498	168	0.096	19.747	0.769	0.923	0.002	0.076
E	K	gi|15607504	101	0.604	124.222	-1.108	0.321	0.003	0.675
E	K	gi|15607504	149	0.575	118.38	1.905	0.97	0.001	0.03
E	K	gi|15607504	319	0.358	73.62	1.49	0.97	0.001	0.03
E	K	gi|15607504	309	0.494	101.534	-0.531	0.191	0.086	0.723
E	K	gi|15607504	245	0.304	62.615	-0.435	0.053	0.043	0.903
E	K	gi|15607504	259	0.499	102.685	0.438	0.923	0.002	0.076
E	K	gi|15607504	189	0.498	102.377	2.075	0.988	0	0.012
B	K	gi|15607504	201	0.153	31.534	0.575	0.113	0.043	0.844
E	K	gi|15607504	216	0.518	106.553	0.511	0.018	0.047	0.935
E	K	gi|15607504	221	0.592	121.795	0.692	0.019	0.141	0.84
E	K	gi|15607504	119	0.471	96.802	1.618	0.923	0.002	0.076
E	K	gi|15607504	99	0.417	85.859	-0.505	0.053	0.005	0.942
E	K	gi|15607506	169	0.411	84.563	1.39	0.6	0.003	0.397
E	K	gi|15607525	740	0.474	97.564	1.325	0.016	0.005	0.979
E	K	gi|15607525	326	0.462	94.951	0.495	0.622	0.015	0.363
E	K	gi|15607525	512	0.671	138.107	1.4	0.97	0.001	0.03
E	K	gi|15607525	774	0.634	130.496	1.441	0.97	0.001	0.03
B	K	gi|15607525	790	0.08	16.477	1.205	0.975	0.003	0.022
E	K	gi|15607525	618	0.302	62.183	1.466	0.988	0	0.012
E	K	gi|15607525	576	0.707	145.471	1.195	0.858	0.002	0.139
E	K	gi|15607530	281	0.603	123.975	1.627	0.923	0.002	0.076
E	K	gi|15607532	311	0.33	67.963	1.122	0.938	0.007	0.055
E	K	gi|15607535	134	0.609	125.292	-0.12	0.321	0.003	0.675
E	K	gi|15607541	340	0.344	70.781	1.915	0.988	0	0.012
E	K	gi|15607548	198	0.303	62.409	-1.654	0.018	0.019	0.964
E	K	gi|15607548	206	0.458	94.272	1.156	0.97	0.001	0.03
E	K	gi|15607548	183	0.345	70.905	1.44	0.97	0.001	0.03
E	K	gi|15607549	454	0.466	95.774	0.245	0.053	0.005	0.942
E	K	gi|15607549	452	0.679	139.67	0.646	0.694	0.003	0.303
E	K	gi|15607551	520	0.509	104.722	0.402	0.522	0.016	0.462
E	K	gi|15607551	524	0.266	54.696	0.629	0.717	0.014	0.269
E	K	gi|15607563	163	0.456	93.881	2.275	0.97	0.001	0.03
E	K	gi|15607564	211	0.641	131.874	0.313	0.321	0.003	0.675
B	K	gi|15607573	230	0.269	55.374	-0.016	0.018	0.088	0.893
B	K	gi|15607580	206	0.215	44.287	0.017	0.005	0.015	0.979
E	K	gi|15607580	291	0.585	120.396	1.129	0.923	0.002	0.076
E	K	gi|15607581	388	0.504	103.57	1.117	0.97	0.001	0.03
E	K	gi|15607581	391	0.265	54.593	0.924	0.97	0.001	0.03
E	K	gi|15607581	3	0.557	114.493	0.282	0.502	0.102	0.396
E	K	gi|15607581	125	0.269	55.23	1.338	0.97	0.001	0.03
E	K	gi|15607581	132	0.671	138.004	1.093	0.879	0.01	0.111
E	K	gi|15607581	67	0.419	86.147	-0.037	0.923	0.002	0.076
B	K	gi|15607581	74	0.173	35.504	1.106	0.988	0	0.012
E	K	gi|15607581	526	0.694	142.735	0.582	0.058	0.017	0.925
B	K	gi|15607581	362	0.205	42.21	1.615	0.011	0.918	0.071
E	K	gi|15607581	78	0.479	98.53	1.071	0.923	0.002	0.076
E	K	gi|15607581	79	0.382	78.495	0.54	0.802	0.014	0.185
E	K	gi|15607581	140	0.432	88.78	0.589	0.923	0.002	0.076
E	K	gi|15607581	195	0.452	92.894	-0.581	0.022	0.359	0.619
E	K	gi|15607581	224	0.55	113.156	-0.556	0.022	0.359	0.619
E	K	gi|15607581	121	0.331	68.128	1.89	0.97	0.001	0.03
E	K	gi|15607581	27	0.379	78.001	0.8	0.879	0.01	0.111
E	K	gi|15607581	33	0.473	97.255	-0.454	0.058	0.017	0.925
E	K	gi|15607581	41	0.376	77.425	0.845	0.021	0.279	0.699

E	K	gi|15607581	42	0.631	129.714	-1.249	0.018	0.019	0.964
E	K	gi|15607581	270	0.378	77.816	0.702	0.018	0.088	0.893
E	K	gi|15607581	275	0.286	58.768	-0.02	0.004	0.616	0.381
E	K	gi|15607581	229	0.509	104.701	-0.729	0.184	0.043	0.773
E	K	gi|15607581	284	0.329	67.716	0.367	0.858	0.002	0.139
E	K	gi|15607581	320	0.33	67.819	-0.595	0.004	0.616	0.381
E	K	gi|15607581	325	0.507	104.187	-0.914	0.02	0.205	0.775
E	K	gi|15607581	57	0.422	86.826	1.377	0.779	0.1	0.12
B	K	gi|15607581	378	0.093	19.11	0.152	0.001	0.959	0.04
E	K	gi|15607581	369	0.621	127.637	-0.858	0.004	0.197	0.799
B	K	gi|15607581	441	0.073	15.016	0.116	0.988	0	0.012
E	K	gi|15607581	449	0.285	58.686	0.785	0.97	0.001	0.03
B	K	gi|15607581	402	0.227	46.756	1.187	0.988	0	0.012
E	K	gi|15607581	495	0.293	60.332	1.017	0.97	0.001	0.03
B	K	gi|15607581	116	0.141	29.086	0.633	0.975	0.003	0.022
E	K	gi|15607581	465	0.372	76.5	2.111	0.97	0.001	0.03
E	K	gi|15607581	521	0.29	59.632	1.285	0.191	0.086	0.723
E	K	gi|15607581	243	0.416	85.653	0.905	0.43	0.016	0.555
E	K	gi|15607581	264	0.285	58.707	0.87	0.923	0.002	0.076
E	K	gi|15607586	135	0.604	124.243	1.473	0.694	0.003	0.303
E	K	gi|15607598	33	0.581	119.491	1.694	0.97	0.001	0.03
E	K	gi|15607603	216	0.55	113.217	2.005	0.97	0.001	0.03
E	K	gi|15607603	220	0.582	119.697	2.006	0.97	0.001	0.03
E	K	gi|15607603	259	0.515	106.038	1.561	0.001	0.9	0.099
E	K	gi|15607603	224	0.782	160.837	1.433	0.782	0.003	0.216
B	K	gi|15607603	289	0.152	31.308	-1.58	0.004	0.085	0.91
E	K	gi|15607603	402	0.765	157.463	0.895	0.005	0.015	0.979
E	K	gi|15607603	64	0.587	120.684	0.855	0.858	0.002	0.139
E	K	gi|15607603	376	0.412	84.769	0.924	0.001	0.959	0.04
E	K	gi|15607603	102	0.721	148.227	1.555	0.858	0.002	0.139
E	K	gi|15607603	251	0.436	89.603	0.326	0.004	0.514	0.481
E	K	gi|15607603	280	0.572	117.743	0.724	0.066	0.296	0.638
E	K	gi|15607607	154	0.424	87.155	0.188	0.115	0.016	0.868
E	K	gi|15607609	60	0.514	105.771	0.112	0.016	0.005	0.979
E	K	gi|15607609	50	0.588	120.869	1.522	0.97	0.001	0.03
E	K	gi|15607609	277	0.463	95.26	0.679	0.113	0.087	0.8
E	K	gi|15607609	180	0.298	61.381	1.129	0.004	0.138	0.858
E	K	gi|15607609	134	0.676	139.053	0.486	0.053	0.005	0.942
E	K	gi|15607616	180	0.535	110.111	0.013	0.717	0.014	0.269
E	K	gi|15607623	308	0.442	90.981	0.712	0.053	0.043	0.903
B	K	gi|15607634	185	0.256	52.577	0.225	0.135	0.317	0.548
B	K	gi|15607641	142	0.071	14.564	-1.143	0.002	0.816	0.182
B	K	gi|15607641	284	0.168	34.455	0.629	0.97	0.001	0.03
E	K	gi|15607641	32	0.47	96.741	-0.484	0.004	0.138	0.858
B	K	gi|15607644	26	0.181	37.314	0.094	0.257	0.016	0.727
E	K	gi|15607651	150	0.346	71.172	1.484	0.802	0.014	0.185
E	K	gi|15607654	134	0.372	76.541	0.705	0.021	0.756	0.223
B	K	gi|15607688	182	0.06	12.445	-0.526	0.021	0.451	0.528
E	K	gi|15607691	552	0.36	74.052	0.707	0.622	0.015	0.363
E	K	gi|15607706	123	0.482	99.168	0.621	0.021	0.756	0.223
E	K	gi|15607711	100	0.493	101.348	1.597	0.97	0.001	0.03
E	K	gi|15607716	218	0.45	92.462	0.877	0.6	0.003	0.397
B	K	gi|15607717	256	0.092	18.863	-0.069	0.004	0.616	0.381
E	K	gi|15607720	151	0.331	68.169	0.513	0.004	0.514	0.481
E	K	gi|15607739	15	0.459	94.313	0.312	0.354	0.048	0.598
E	K	gi|15607744	70	0.295	60.64	1.026	0.001	0.959	0.04
E	K	gi|15607771	807	0.367	75.574	1.147	0.858	0.002	0.139
E	K	gi|15607772	10	0.565	116.138	0.245	0.004	0.42	0.576
E	K	gi|15607776	10	0.539	110.852	1.3	0.064	0.216	0.721
E	K	gi|15607776	18	0.277	57.02	0.35	0.022	0.359	0.619
E	K	gi|15607776	98	0.374	77.035	-0.329	0.004	0.085	0.91
E	K	gi|15607776	109	0.378	77.857	0.695	0.001	0.959	0.04
E	K	gi|15607779	45	0.657	135.104	-0.628	0.058	0.017	0.925
E	K	gi|15607780	6	0.606	124.675	0.764	0.056	0.142	0.802
B	K	gi|15607780	115	0.243	49.985	0.552	0.406	0.004	0.59
E	K	gi|15607780	83	0.49	100.793	1.21	0.97	0.001	0.03
E	K	gi|15607781	141	0.344	70.679	-0.333	0.053	0.043	0.903
E	K	gi|15607781	83	0.381	78.392	1.219	0.694	0.003	0.303
E	K	gi|15607781	167	0.59	121.342	-0.236	0.004	0.085	0.91
B	K	gi|15607782	273	0.129	26.535	1.169	0.988	0	0.012
E	K	gi|15607784	97	0.525	107.931	1.18	0.923	0.002	0.076
B	K	gi|15607784	271	0.135	27.687	-1.214	0.97	0.001	0.03
B	K	gi|15607784	264	0.133	27.338	1.411	0.988	0	0.012
E	K	gi|15607787	298	0.739	151.93	0.244	0.246	0.004	0.75
E	K	gi|15607791	94	0.264	54.305	1.346	0.988	0	0.012
E	K	gi|15607791	18	0.646	132.944	1.677	0.802	0.014	0.185
E	K	gi|15607791	101	0.668	137.51	0.057	0.058	0.017	0.925
E	K	gi|15607791	135	0.306	62.944	1.337	0.988	0	0.012
E	K	gi|15607792	130	0.754	155.139	1.389	0.005	0.015	0.979
E	K	gi|15607792	3	0.645	132.779	0.754	0.176	0.004	0.82
E	K	gi|15607792	102	0.463	95.177	1.074	0.622	0.015	0.363
E	K	gi|15607792	110	0.504	103.57	1.301	0.858	0.002	0.139
E	K	gi|15607792	94	0.304	62.43	1.247	0.97	0.001	0.03
E	K	gi|15607792	91	0.455	93.676	1.094	0.879	0.01	0.111
E	K	gi|15607792	79	0.417	85.88	1.351	0.975	0.003	0.022
E	K	gi|15607792	74	0.328	67.408	1.316	0.354	0.048	0.598
E	K	gi|15607795	158	0.712	146.458	0.053	0.339	0.016	0.645
E	K	gi|15607807	757	0.694	142.653	-1.103	0.052	0.084	0.864
E	K	gi|15607807	832	0.437	89.829	0.239	0.001	0.9	0.099
B	K	gi|15607807	840	0.152	31.205	1.838	0.001	0.959	0.04
E	K	gi|15607807	296	0.418	85.983	-0.264	0.113	0.043	0.844
E	K	gi|15607807	212	0.571	117.372	-0.863	0.005	0.336	0.66
E	K	gi|15607807	191	0.366	75.348	0.367	0.003	0.718	0.279
E	K	gi|15607807	258	0.548	112.621	-0.45	0.502	0.002	0.495
E	K	gi|15607807	944	0.461	94.745	-0.6	0.354	0.048	0.598
B	K	gi|15607807	1095	0.067	13.782	0.8	0.018	0.846	0.136
E	K	gi|15607807	803	0.422	86.723	-0.545	0.052	0.084	0.864
E	K	gi|15607807	870	0.475	97.707	0.521	0.522	0.016	0.462
E	K	gi|15607808	758	0.557	114.554	1.243	0.97	0.001	0.03
E	K	gi|15607808	176	0.412	84.851	0.168	0.478	0.309	0.214
E	K	gi|15607808	228	0.509	104.619	-0.72	0.184	0.043	0.773

E	K	gi|15607808	232	0.499	102.624	-0.373	0.184	0.043	0.773
E	K	gi|15607808	961	0.358	73.579	-0.785	0.231	0.33	0.439
E	K	gi|15607808	400	0.467	96.144	0.203	0.321	0.252	0.427
E	K	gi|15607808	1079	0.344	70.72	-0.408	0.002	0.816	0.182
E	K	gi|15607808	691	0.548	112.621	-1.152	0.257	0.016	0.727
E	K	gi|15607808	123	0.476	97.851	0.843	0.751	0.05	0.199
E	K	gi|15607808	470	0.53	109.083	0.011	0.115	0.016	0.868
E	K	gi|15607808	108	0.399	81.992	0.014	0.522	0.016	0.462
E	K	gi|15607808	437	0.397	81.622	0.481	0.018	0.088	0.893
E	K	gi|15607808	40	0.377	77.508	0.533	0.018	0.088	0.893
E	K	gi|15607808	43	0.593	122.042	-0.561	0.052	0.084	0.864
E	K	gi|15607808	1090	0.511	105.113	-0.12	0.003	0.718	0.279
E	K	gi|15607810	181	0.419	86.25	1.478	0.923	0.002	0.076
E	K	gi|15607810	108	0.404	83.021	1.981	0.97	0.001	0.03
E	K	gi|15607810	115	0.489	100.505	1.816	0.97	0.001	0.03
E	K	gi|15607810	240	0.458	94.19	1.085	0.858	0.002	0.139
E	K	gi|15607810	76	0.539	110.79	2.071	0.97	0.001	0.03
E	K	gi|15607823	70	0.322	66.256	0.648	0.052	0.084	0.864
B	K	gi|15607823	63	0.255	52.412	1.051	0.988	0	0.012
E	K	gi|15607823	143	0.437	89.809	1.183	0.938	0.007	0.055
E	K	gi|15607823	114	0.417	85.797	0.323	0.058	0.017	0.925
E	K	gi|15607823	136	0.51	104.989	0.912	0.578	0.229	0.194
E	K	gi|15607825	185	0.532	109.412	-1.044	0.109	0.005	0.886
E	K	gi|15607825	210	0.296	60.887	0.29	0.018	0.019	0.964
B	K	gi|15607825	297	0.251	51.631	0.171	0.005	0.336	0.66
E	K	gi|15607825	316	0.336	69.136	-0.455	0.069	0.386	0.545
E	K	gi|15607825	285	0.534	109.823	0.572	0.018	0.088	0.893
E	K	gi|15607825	10	0.288	59.303	0.955	0.018	0.019	0.964
E	K	gi|15607825	364	0.339	69.732	2.224	0.001	0.959	0.04
E	K	gi|15607825	34	0.417	85.839	0.419	0.923	0.002	0.076
E	K	gi|15607825	39	0.274	56.382	-0.137	0.43	0.016	0.555
E	K	gi|15607825	47	0.334	68.704	-0.169	0.802	0.014	0.185
E	K	gi|15607825	178	0.336	69.156	0.797	0.113	0.087	0.8
E	K	gi|15607825	393	0.455	93.655	1.383	0.011	0.918	0.071
B	K	gi|15607840	24	0.221	45.521	1.674	0.988	0	0.012
E	K	gi|15607840	82	0.62	127.493	1.351	0.97	0.001	0.03
B	K	gi|15607841	30	0.223	45.953	0.706	0.001	0.959	0.04
E	K	gi|15607842	7	0.508	104.454	0.391	0.021	0.451	0.528
E	K	gi|15607842	10	0.581	119.512	1.521	0.002	0.816	0.182
B	K	gi|15607842	14	0.255	52.351	1.314	0.001	0.9	0.099
E	K	gi|15607842	158	0.519	106.758	0.436	0.005	0.015	0.979
E	K	gi|15607842	173	0.265	54.593	1.577	0.911	0.033	0.057
E	K	gi|15607845	56	0.522	107.437	0.692	0.004	0.616	0.381
E	K	gi|15607845	25	0.627	129.036	-1.966	0.176	0.004	0.82
E	K	gi|15607845	32	0.243	50.067	0.874	0.011	0.918	0.071
E	K	gi|15607845	81	0.435	89.438	-0.083	0.069	0.386	0.545
E	K	gi|15607846	123	0.535	110.091	-0.04	0.455	0.046	0.498
E	K	gi|15607847	135	0.333	68.478	1.419	0.988	0	0.012
E	K	gi|15607847	147	0.279	57.473	0.612	0.005	0.336	0.66
B	K	gi|15607854	113	0.286	58.912	0.475	0.231	0.33	0.439
B	K	gi|15607854	9	0.253	51.98	1.37	0.001	0.9	0.099
E	K	gi|15607854	17	0.313	64.322	1.084	0.023	0.655	0.322
E	K	gi|15607855	22	0.424	87.114	2.148	0.001	0.959	0.04
E	K	gi|15607855	5	0.518	106.635	0.572	0.005	0.336	0.66
E	K	gi|15607856	185	0.5	102.85	0.757	0.018	0.088	0.893
E	K	gi|15607856	55	0.487	100.176	0.665	0.858	0.002	0.139
E	K	gi|15607856	25	0.635	130.64	0.821	0.858	0.002	0.139
E	K	gi|15607856	85	0.43	88.369	-0.019	0.125	0.227	0.648
E	K	gi|15607858	41	0.353	72.653	1.079	0.923	0.002	0.076
E	K	gi|15607858	58	0.252	51.939	0.301	0.004	0.616	0.381
E	K	gi|15607859	30	0.542	111.428	-0.334	0.005	0.045	0.951
E	K	gi|15607859	42	0.362	74.422	0.496	0.001	0.9	0.099
E	K	gi|15607859	141	0.265	54.531	1.601	0.879	0.01	0.111
E	K	gi|15607862	5	0.401	82.424	1.845	0.001	0.959	0.04
E	K	gi|15607863	100	0.308	63.438	0.479	0.113	0.087	0.8
E	K	gi|15607863	120	0.342	70.37	1.12	0.002	0.816	0.182
E	K	gi|15607863	4	0.438	90.076	1.739	0.022	0.552	0.426
E	K	gi|15607863	116	0.613	126.197	1.196	0.004	0.42	0.576
E	K	gi|15607864	549	0.326	67.099	1.18	0.97	0.001	0.03
B	K	gi|15607873	160	0.173	35.648	1.703	0.001	0.959	0.04
E	K	gi|15607873	19	0.28	57.596	1.581	0.988	0	0.012
E	K	gi|15607873	23	0.43	88.43	1.207	0.858	0.002	0.139
E	K	gi|15607873	94	0.446	91.763	1.338	0.97	0.001	0.03
B	K	gi|15607873	13	0.18	36.985	0.052	0.6	0.003	0.397
B	K	gi|15607878	155	0.211	43.464	-1.525	0.018	0.088	0.893
E	K	gi|15607892	146	0.552	113.505	-0.806	0.004	0.138	0.858
E	K	gi|15607892	21	0.651	133.972	1.935	0.858	0.002	0.139
E	K	gi|15607893	319	0.584	120.149	-0.239	0.058	0.017	0.925
E	K	gi|15607900	117	0.66	135.7	-1.33	0.018	0.019	0.964
E	K	gi|15607912	94	0.286	58.892	-0.057	0.923	0.002	0.076
E	K	gi|15607912	156	0.424	87.196	0.442	0.021	0.279	0.699
E	K	gi|15607913	167	0.517	106.306	0.6	0.018	0.088	0.893
E	K	gi|15607913	319	0.675	138.889	-0.857	0.115	0.016	0.868
E	K	gi|15607925	260	0.38	78.166	-1.083	0.019	0.141	0.84
E	K	gi|15607931	225	0.327	67.243	1.279	0.938	0.007	0.055
E	K	gi|15607938	110	0.403	82.856	1.997	0.988	0	0.012
E	K	gi|15607938	59	0.691	142.118	-0.145	0.118	0.15	0.732
E	K	gi|15607940	46	0.588	120.931	-0.136	0.018	0.047	0.935
E	K	gi|15607941	4	0.331	68.169	1.436	0.002	0.816	0.182
E	K	gi|15607941	53	0.255	52.351	0.434	0.003	0.718	0.279
E	K	gi|15607941	71	0.638	131.257	1.112	0.018	0.047	0.935
E	K	gi|15607949	37	0.324	66.626	1.921	0.97	0.001	0.03
E	K	gi|15607949	356	0.305	62.759	1.754	0.001	0.959	0.04
E	K	gi|15607949	347	0.588	120.869	0.762	0.004	0.514	0.481
E	K	gi|15607949	209	0.4	82.321	0.484	0.782	0.003	0.216
E	K	gi|15607951	321	0.335	68.91	1.907	0.004	0.42	0.576
B	K	gi|15607955	209	0.251	51.548	0.576	0.005	0.045	0.951
E	K	gi|15607955	216	0.566	116.529	1.616	0.97	0.001	0.03
E	K	gi|15607955	158	0.333	68.498	-0.466	0.064	0.216	0.721
E	K	gi|15607955	67	0.53	109.062	1.282	0.97	0.001	0.03
E	K	gi|15607955	227	0.275	56.609	1.139	0.005	0.015	0.979

E	K	gi|15607955	105	0.348	71.604	0.008	0.019	0.141	0.84
B	K	gi|15607955	107	0.167	34.414	-0.27	0.087	0.683	0.23
E	K	gi|15607955	172	0.48	98.818	-0.786	0.066	0.296	0.638
E	K	gi|15607955	56	0.386	79.441	-1.056	0.113	0.043	0.844
E	K	gi|15607961	102	0.454	93.347	1.898	0.97	0.001	0.03
E	K	gi|15607971	89	0.246	50.52	0.877	0.004	0.616	0.381
B	K	gi|15607971	40	0.154	31.698	0.878	0.97	0.001	0.03
E	K	gi|15607994	126	0.55	113.176	1.311	0.923	0.002	0.076
E	K	gi|15607994	92	0.33	67.799	1.144	0.001	0.959	0.04
B	K	gi|15607998	376	0.276	56.732	1.215	0.005	0.045	0.951
E	K	gi|15607999	189	0.547	112.456	-0.17	0.019	0.141	0.84
E	K	gi|15607999	215	0.342	70.37	-0.093	0.858	0.002	0.139
E	K	gi|15607999	220	0.567	116.735	0.18	0.257	0.016	0.727
E	K	gi|15607999	222	0.38	78.145	1.07	0.268	0.043	0.689
E	K	gi|15607999	19	0.477	98.139	-0.673	0.018	0.047	0.935
B	K	gi|15607999	177	0.224	46.159	0.929	0.97	0.001	0.03
B	K	gi|15608000	354	0.148	30.526	1.659	0.001	0.959	0.04
E	K	gi|15608000	363	0.479	98.551	2.047	0.923	0.002	0.076
E	K	gi|15608000	182	0.343	70.576	1.097	0.858	0.002	0.139
E	K	gi|15608000	223	0.511	105.01	-0.609	0.717	0.014	0.269
E	K	gi|15608000	224	0.456	93.881	-0.304	0.622	0.015	0.363
E	K	gi|15608000	210	0.752	154.645	0.652	0.502	0.002	0.495
E	K	gi|15608000	624	0.548	112.621	-0.177	0.43	0.016	0.555
E	K	gi|15608000	177	0.442	90.94	1.67	0.018	0.019	0.964
E	K	gi|15608000	180	0.386	79.4	1.491	0.923	0.002	0.076
E	K	gi|15608000	611	0.611	125.662	0.041	0.018	0.019	0.964
E	K	gi|15608000	480	0.56	115.13	-0.347	0.005	0.015	0.979
E	K	gi|15608000	370	0.548	112.621	1.355	0.97	0.001	0.03
E	K	gi|15608000	374	0.469	96.453	1.206	0.97	0.001	0.03
E	K	gi|15608000	227	0.535	109.967	-0.85	0.43	0.016	0.555
E	K	gi|15608000	133	0.406	83.596	-0.856	0.018	0.019	0.964
E	K	gi|15608000	403	0.469	96.535	1.085	0.113	0.043	0.844
E	K	gi|15608000	569	0.666	136.914	1.247	0.923	0.002	0.076
E	K	gi|15608000	589	0.408	83.967	1.897	0.97	0.001	0.03
E	K	gi|15608000	62	0.495	101.842	-0.164	0.018	0.019	0.964
E	K	gi|15608000	71	0.462	94.931	1.536	0.782	0.003	0.216
E	K	gi|15608000	600	0.451	92.832	-0.677	0.052	0.084	0.864
E	K	gi|15608000	49	0.592	121.816	-0.182	0.018	0.019	0.964
E	K	gi|15608000	322	0.422	86.888	-0.472	0.184	0.043	0.773
E	K	gi|15608000	469	0.252	51.898	-0.027	0.113	0.043	0.844
E	K	gi|15608005	106	0.608	124.983	-1.287	0.053	0.043	0.903
E	K	gi|15608013	451	0.512	105.421	-0.379	0.6	0.003	0.397
E	K	gi|15608013	281	0.355	72.941	1.314	0.97	0.001	0.03
E	K	gi|15608013	26	0.381	78.372	-1.375	0.339	0.016	0.645
B	K	gi|15608013	153	0.14	28.901	1.161	0.97	0.001	0.03
E	K	gi|15608013	248	0.593	121.96	-0.206	0.052	0.084	0.864
B	K	gi|15608013	63	0.263	54.037	1.785	0.97	0.001	0.03
E	K	gi|15608013	269	0.483	99.291	0.155	0.053	0.043	0.903
E	K	gi|15608024	55	0.274	56.259	1.532	0.97	0.001	0.03
B	K	gi|15608024	111	0.223	45.933	1.33	0.923	0.002	0.076
E	K	gi|15608024	328	0.483	99.291	1.779	0.97	0.001	0.03
E	K	gi|15608029	244	0.37	76.047	0.777	0.005	0.262	0.733
E	K	gi|15608029	344	0.453	93.203	0.415	0.018	0.088	0.893
E	K	gi|15608029	27	0.442	91.022	-0.644	0.019	0.141	0.84
E	K	gi|15608036	303	0.387	79.585	0.619	0.022	0.359	0.619
E	K	gi|15608036	409	0.285	58.624	0.64	0.004	0.085	0.91
E	K	gi|15608036	328	0.597	122.721	1.996	0.923	0.002	0.076
E	K	gi|15608036	332	0.687	141.275	0.136	0.502	0.002	0.495
E	K	gi|15608036	121	0.24	49.45	1.3	0.97	0.001	0.03
B	K	gi|15608036	323	0.211	43.464	1.606	0.97	0.001	0.03
E	K	gi|15608036	360	0.443	91.105	-0.342	0.018	0.019	0.964
B	K	gi|15608036	170	0.134	27.667	0.328	0.923	0.002	0.076
E	K	gi|15608036	56	0.298	61.216	0.384	0.021	0.756	0.223
E	K	gi|15608036	313	0.545	112.004	0.703	0.004	0.085	0.91
E	K	gi|15608036	39	0.623	128.233	-0.357	0.278	0.093	0.628
E	K	gi|15608043	178	0.524	107.684	0.391	0.053	0.005	0.942
E	K	gi|15608043	123	0.346	71.152	1.457	0.988	0	0.012
E	K	gi|15608045	156	0.469	96.514	0.57	0.019	0.141	0.84
B	K	gi|15608045	125	0.212	43.67	-0.237	0.307	0.165	0.527
B	K	gi|15608050	94	0.267	54.922	0.737	0.001	0.959	0.04
B	K	gi|15608050	90	0.282	57.966	0.426	0.001	0.959	0.04
E	K	gi|15608065	230	0.398	81.91	-0.616	0.43	0.016	0.555
B	K	gi|15608067	164	0.11	22.709	0.539	0.923	0.002	0.076
E	K	gi|15608071	105	0.609	125.354	1.742	0.858	0.002	0.139
B	K	gi|15608071	44	0.137	28.222	1.136	0.018	0.846	0.136
E	K	gi|15608086	249	0.407	83.761	-0.62	0.502	0.002	0.495
E	K	gi|15608086	147	0.547	112.6	0.731	0.018	0.047	0.935
E	K	gi|15608086	461	0.477	98.139	0.539	0.278	0.093	0.628
E	K	gi|15608086	518	0.383	78.763	1.38	0.97	0.001	0.03
B	K	gi|15608091	60	0.152	31.287	1.394	0.001	0.959	0.04
E	K	gi|15608091	73	0.352	72.448	1.929	0.97	0.001	0.03
E	K	gi|15608091	238	0.538	110.687	0.132	0.522	0.016	0.462
E	K	gi|15608091	14	0.587	120.787	1.423	0.923	0.002	0.076
E	K	gi|15608091	138	0.39	80.285	-0.091	0.021	0.451	0.528
E	K	gi|15608091	145	0.496	102.109	0.093	0.43	0.016	0.555
E	K	gi|15608091	81	0.586	120.581	-0.649	0.321	0.003	0.675
E	K	gi|15608091	200	0.334	68.745	1.112	0.005	0.336	0.66
E	K	gi|15608091	32	0.262	53.935	1.688	0.97	0.001	0.03
E	K	gi|15608092	235	0.567	116.714	1.221	0.923	0.002	0.076
E	K	gi|15608092	56	0.538	110.769	-0.176	0.018	0.047	0.935
B	K	gi|15608092	13	0.203	41.695	1.176	0.004	0.616	0.381
E	K	gi|15608092	75	0.617	126.896	0.116	0.321	0.003	0.675
B	K	gi|15608092	284	0.258	53.029	1.02	0.004	0.514	0.481
E	K	gi|15608092	287	0.572	117.619	0.084	0.004	0.085	0.91
B	K	gi|15608093	238	0.102	20.899	0.132	0.002	0.816	0.182
E	K	gi|15608097	143	0.379	78.001	0.797	0.522	0.016	0.462
B	K	gi|15608097	283	0.129	26.494	0.721	0.018	0.846	0.136
E	K	gi|15608111	171	0.433	89.006	0.27	0.019	0.141	0.84
E	K	gi|15608112	268	0.47	96.617	1.227	0.858	0.002	0.139
E	K	gi|15608114	41	0.613	126.156	1.338	0.938	0.007	0.055
E	K	gi|15608154	128	0.692	142.283	0.127	0.018	0.019	0.964

E	K	gi|15608155	30	0.306	62.944	1.244	0.005	0.045	0.951
E	K	gi|15608155	72	0.616	126.773	1.132	0.005	0.336	0.66
E	K	gi|15608157	29	0.66	135.824	1.567	0.97	0.001	0.03
E	K	gi|15608157	10	0.474	97.584	0.432	0.005	0.045	0.951
B	K	gi|15608157	202	0.152	31.246	0.221	0.004	0.616	0.381
E	K	gi|15608158	362	0.399	82.013	0.989	0.022	0.552	0.426
E	K	gi|15608163	65	0.406	83.432	1.633	0.938	0.007	0.055
E	K	gi|15608163	194	0.749	154.152	0.418	0.694	0.003	0.303
B	K	gi|15608163	189	0.274	56.362	1.196	0.988	0	0.012
E	K	gi|15608163	61	0.448	92.133	0.061	0.181	0.016	0.803
B	K	gi|15608165	112	0.199	40.955	1.353	0.701	0.107	0.192
E	K	gi|15608203	99	0.3	61.607	1.604	0.923	0.002	0.076
E	K	gi|15608203	74	0.413	84.954	1.43	0.938	0.007	0.055
B	K	gi|15608210	133	0.219	44.966	-0.238	0.307	0.165	0.527
E	K	gi|15608211	278	0.751	154.522	1.204	0.053	0.005	0.942
E	K	gi|15608211	313	0.34	69.876	0.962	0.018	0.088	0.893
E	K	gi|15608211	134	0.28	57.637	1.364	0.074	0.484	0.442
E	K	gi|15608214	206	0.601	123.729	0.315	0.802	0.014	0.185
E	K	gi|15608214	277	0.631	129.756	1.217	0.858	0.002	0.139
E	K	gi|15608214	19	0.677	139.238	-0.957	0.018	0.019	0.964
E	K	gi|15608214	125	0.301	61.936	-1.532	0.053	0.043	0.903
E	K	gi|15608214	164	0.358	73.62	-1.769	0.257	0.016	0.727
E	K	gi|15608214	244	0.446	91.68	0.912	0.053	0.043	0.903
E	K	gi|15608219	327	0.354	72.736	0.515	0.694	0.003	0.303
E	K	gi|15608219	120	0.416	85.53	0.924	0.923	0.002	0.076
E	K	gi|15608234	145	0.478	98.242	-0.604	0.018	0.019	0.964
E	K	gi|15608234	247	0.27	55.457	-0.247	0.406	0.004	0.59
E	K	gi|15608234	270	0.507	104.228	0.212	0.622	0.015	0.363
E	K	gi|15608234	139	0.548	112.662	-0.144	0.246	0.004	0.75
B	K	gi|15608238	374	0.235	48.422	0.32	0.97	0.001	0.03
E	K	gi|15608238	25	0.636	130.846	-0.211	0.354	0.048	0.598
E	K	gi|15608262	107	0.584	120.17	1.905	0.97	0.001	0.03
E	K	gi|15608262	112	0.349	71.81	1.829	0.321	0.003	0.675
E	K	gi|15608262	329	0.613	126.053	-0.109	0.622	0.015	0.363
E	K	gi|15608262	337	0.521	107.17	1.041	0.022	0.359	0.619
E	K	gi|15608262	21	0.67	137.881	1.343	0.782	0.003	0.216
E	K	gi|15608273	735	0.4	82.198	-0.331	0.005	0.015	0.979
E	K	gi|15608273	149	0.435	89.5	1.68	0.97	0.001	0.03
E	K	gi|15608283	62	0.484	99.641	1.302	0.005	0.015	0.979
E	K	gi|15608284	177	0.412	84.79	0.629	0.058	0.017	0.925
E	K	gi|15608284	127	0.617	126.958	1.097	0.858	0.002	0.139
E	K	gi|15608284	4	0.595	122.371	1.457	0.004	0.138	0.858
E	K	gi|15608288	160	0.283	58.234	1.502	0.97	0.001	0.03
E	K	gi|15608295	44	0.522	107.314	-0.19	0.005	0.045	0.951
E	K	gi|15608296	120	0.265	54.531	0.24	0.858	0.002	0.139
E	K	gi|15608313	89	0.298	61.196	-1.429	0.022	0.359	0.619
E	K	gi|15608318	170	0.416	85.489	2.355	0.97	0.001	0.03
E	K	gi|15608321	1176	0.478	98.283	1.263	0.923	0.002	0.076
E	K	gi|15608331	271	0.459	94.416	2.026	0.003	0.718	0.279
B	K	gi|15608341	147	0.229	47.105	0.171	0.307	0.165	0.527
E	K	gi|15608341	277	0.328	67.408	1.206	0.018	0.846	0.136
B	K	gi|15608372	56	0.237	48.689	0.871	0.001	0.9	0.099
E	K	gi|15608379	255	0.463	95.239	-1.033	0.246	0.004	0.75
E	K	gi|15608380	311	0.491	101.06	2.138	0.97	0.001	0.03
B	K	gi|15608380	181	0.2	41.078	0.611	0.003	0.718	0.279
E	K	gi|15608380	226	0.577	118.689	0.76	0.858	0.002	0.139
E	K	gi|15608380	115	0.504	103.693	1.871	0.988	0	0.012
E	K	gi|15608385	51	0.529	108.836	1.812	0.923	0.002	0.076
E	K	gi|15608386	47	0.391	80.47	0.411	0.113	0.087	0.8
E	K	gi|15608399	125	0.522	107.293	-0.796	0.018	0.019	0.964
E	K	gi|15608401	87	0.297	61.134	1.187	0.561	0.047	0.393
E	K	gi|15608405	166	0.469	96.494	-0.041	0.257	0.016	0.727
E	K	gi|15608416	5	0.49	100.731	0.393	0.064	0.216	0.721
E	K	gi|15608424	142	0.726	149.318	0.603	0.053	0.043	0.903
E	K	gi|15608424	49	0.492	101.122	-0.012	0.018	0.019	0.964
E	K	gi|15608432	280	0.493	101.369	-0.696	0.021	0.451	0.528
E	K	gi|15608432	122	0.318	65.454	1.49	0.003	0.718	0.279
E	K	gi|15608432	462	0.318	65.454	-0.042	0.622	0.015	0.363
E	K	gi|15608432	295	0.308	63.294	-0.195	0.018	0.047	0.935
B	K	gi|15608435	124	0.115	23.676	0.723	0.97	0.001	0.03
B	K	gi|15608435	269	0.155	31.781	0.2	0.018	0.019	0.964
E	K	gi|15608437	313	0.561	115.439	-1.004	0.056	0.142	0.802
B	K	gi|15608437	433	0.196	40.276	0.591	0.005	0.015	0.979
E	K	gi|15608446	134	0.533	109.576	1.93	0.97	0.001	0.03
E	K	gi|15608447	66	0.424	87.299	1.787	0.97	0.001	0.03
E	K	gi|15608447	99	0.308	63.273	1.562	0.97	0.001	0.03
E	K	gi|15608447	244	0.538	110.749	0.819	0.339	0.016	0.645
E	K	gi|15608448	387	0.29	59.674	0.641	0.97	0.001	0.03
E	K	gi|15608448	491	0.523	107.622	0.795	0.181	0.016	0.803
E	K	gi|15608448	499	0.381	78.372	2.159	0.97	0.001	0.03
E	K	gi|15608448	505	0.518	106.594	2.154	0.97	0.001	0.03
E	K	gi|15608448	509	0.675	138.889	1.591	0.923	0.002	0.076
E	K	gi|15608448	146	0.701	144.216	-1.619	0.053	0.043	0.903
E	K	gi|15608448	384	0.655	134.651	0.726	0.923	0.002	0.076
E	K	gi|15608449	112	0.463	95.342	0.42	0.005	0.015	0.979
E	K	gi|15608450	125	0.314	64.672	-1.729	0.02	0.205	0.775
B	K	gi|15608450	177	0.233	48.01	-0.707	0.115	0.016	0.868
E	K	gi|15608450	485	0.637	130.969	0.7	0.406	0.004	0.59
E	K	gi|15608450	13	0.594	122.145	-0.21	0.113	0.087	0.8
E	K	gi|15608450	7	0.338	69.485	0.646	0.938	0.007	0.055
E	K	gi|15608451	59	0.561	115.418	1.54	0.004	0.42	0.576
B	K	gi|15608455	23	0.205	42.251	0.339	0.502	0.002	0.495
E	K	gi|15608463	229	0.462	95.116	0.571	0.018	0.047	0.935
E	K	gi|15608463	12	0.382	78.536	0.338	0.113	0.087	0.8
E	K	gi|15608464	95	0.391	80.47	1.829	0.005	0.262	0.733
E	K	gi|15608468	276	0.538	110.769	0.387	0.058	0.017	0.925
B	K	gi|15608468	677	0.238	48.957	0.422	0.782	0.003	0.216
E	K	gi|15608468	704	0.402	82.63	-0.054	0.181	0.016	0.803
B	K	gi|15608468	255	0.095	19.459	1.159	0.87	0.077	0.053
B	K	gi|15608468	375	0.162	33.426	-0.001	0.056	0.142	0.802
E	K	gi|15608474	103	0.45	92.668	0.988	0.858	0.002	0.139

E	K	gi|15608480	54	0.676	139.135	-0.736	0.053	0.043	0.903
E	K	gi|15608486	98	0.291	59.838	1.022	0.005	0.015	0.979
E	K	gi|15608490	171	0.244	50.191	1.23	0.97	0.001	0.03
B	K	gi|15608490	204	0.072	14.749	0.285	0.97	0.001	0.03
B	K	gi|15608519	166	0.174	35.812	0.459	0.002	0.816	0.182
E	K	gi|15608519	36	0.4	82.301	0.97	0.782	0.003	0.216
E	K	gi|15608520	85	0.539	110.852	0.125	0.052	0.084	0.864
E	K	gi|15608523	3	0.457	94.046	1.621	0.021	0.451	0.528
E	K	gi|15608527	102	0.424	87.114	1.342	0.97	0.001	0.03
E	K	gi|15608527	139	0.376	77.302	0.624	0.802	0.014	0.185
B	K	gi|15608527	141	0.27	55.621	1.273	0.831	0.044	0.125
E	K	gi|15608527	129	0.622	127.925	1.28	0.782	0.003	0.216
E	K	gi|15608527	186	0.364	74.937	0.913	0.923	0.002	0.076
E	K	gi|15608527	151	0.637	131.051	-1.33	0.053	0.005	0.942
E	K	gi|15608527	156	0.321	65.947	1.392	0.879	0.01	0.111
B	K	gi|15608530	295	0.161	33.097	-0.376	0.118	0.15	0.732
E	K	gi|15608530	358	0.378	77.734	0.426	0.246	0.004	0.75
E	K	gi|15608530	220	0.34	70.041	0.592	0.782	0.003	0.216
E	K	gi|15608531	222	0.256	52.618	1.709	0.97	0.001	0.03
E	K	gi|15608531	213	0.569	117.126	0.175	0.802	0.014	0.185
E	K	gi|15608531	250	0.355	73.003	0.357	0.02	0.205	0.775
E	K	gi|15608542	107	0.729	149.914	1.209	0.879	0.01	0.111
E	K	gi|15608560	121	0.572	117.681	1.098	0.005	0.045	0.951
E	K	gi|15608574	220	0.44	90.487	0.991	0.717	0.014	0.269
E	K	gi|15608574	232	0.38	78.207	0.329	0.005	0.262	0.733
E	K	gi|15608574	51	0.353	72.55	0.575	0.386	0.097	0.517
E	K	gi|15608574	268	0.407	83.823	1.354	0.97	0.001	0.03
B	K	gi|15608574	280	0.182	37.376	-0.455	0.023	0.655	0.322
E	K	gi|15608574	199	0.573	117.907	-0.488	0.053	0.043	0.903
E	K	gi|15608574	79	0.242	49.759	1.45	0.006	0.962	0.032
E	K	gi|15608574	337	0.672	138.148	1.073	0.782	0.003	0.216
E	K	gi|15608575	140	0.496	102.048	1.172	0.97	0.001	0.03
E	K	gi|15608575	49	0.357	73.373	2.349	0.988	0	0.012
E	K	gi|15608575	7	0.53	109.042	0.934	0.018	0.088	0.893
B	K	gi|15608575	212	0.185	38.034	0.582	0.879	0.01	0.111
E	K	gi|15608575	68	0.596	122.597	0.126	0.058	0.017	0.925
E	K	gi|15608576	123	0.757	155.653	0.97	0.782	0.003	0.216
E	K	gi|15608576	34	0.455	93.676	-0.559	0.115	0.016	0.868
E	K	gi|15608576	197	0.533	109.638	1.486	0.988	0	0.012
E	K	gi|15608576	90	0.62	127.555	-0.177	0.879	0.01	0.111
B	K	gi|15608581	117	0.246	50.664	0.691	0.005	0.262	0.733
B	K	gi|15608586	143	0.056	11.519	0.572	0.001	0.959	0.04
E	K	gi|15608586	352	0.363	74.71	1.942	0.97	0.001	0.03
E	K	gi|15608586	123	0.338	69.588	1.811	0.97	0.001	0.03
E	K	gi|15608586	133	0.566	116.364	1.278	0.923	0.002	0.076
E	K	gi|15608586	198	0.51	104.845	0.16	0.115	0.016	0.868
B	K	gi|15608586	259	0.162	33.365	-0.38	0.97	0.001	0.03
E	K	gi|15608586	216	0.597	122.762	0.166	0.622	0.015	0.363
E	K	gi|15608587	305	0.458	94.169	-0.278	0.058	0.017	0.925
B	K	gi|15608587	346	0.138	28.428	-0.339	0.858	0.002	0.139
E	K	gi|15608587	297	0.699	143.825	1.53	0.923	0.002	0.076
E	K	gi|15608587	356	0.605	124.346	0.187	0.115	0.016	0.868
E	K	gi|15608587	373	0.661	136.009	-0.448	0.115	0.016	0.868
E	K	gi|15608587	411	0.526	108.28	-0.228	0.118	0.15	0.732
E	K	gi|15608587	115	0.427	87.793	-0.817	0.005	0.015	0.979
E	K	gi|15608587	677	0.685	140.843	1.499	0.97	0.001	0.03
B	K	gi|15608592	134	0.203	41.819	0.759	0.923	0.002	0.076
E	K	gi|15608592	140	0.504	103.735	1.477	0.058	0.017	0.925
B	K	gi|15608592	125	0.092	18.842	-0.508	0.97	0.001	0.03
E	K	gi|15608605	179	0.365	75.039	1.541	0.011	0.918	0.071
E	K	gi|15608613	624	0.508	104.475	0.13	0.018	0.047	0.935
E	K	gi|15608613	114	0.358	73.558	0.626	0.056	0.142	0.802
B	K	gi|15608613	372	0.315	64.734	-1.288	0.005	0.015	0.979
E	K	gi|15608613	384	0.358	73.702	0.435	0.455	0.046	0.498
E	K	gi|15608613	746	0.519	106.697	-0.406	0.113	0.087	0.8
E	K	gi|15608613	697	0.525	107.89	-1.001	0.053	0.043	0.903
E	K	gi|15608613	35	0.475	97.646	0.831	0.058	0.017	0.925
E	K	gi|15608613	501	0.616	126.793	0.777	0.176	0.004	0.82
E	K	gi|15608613	58	0.353	72.53	0.09	0.923	0.002	0.076
E	K	gi|15608613	941	0.695	142.982	1.042	0.694	0.003	0.303
E	K	gi|15608613	660	0.595	122.289	-0.204	0.113	0.087	0.8
B	K	gi|15608613	277	0.099	20.323	1.031	0.001	0.9	0.099
E	K	gi|15608613	892	0.474	97.564	-0.569	0.018	0.088	0.893
B	K	gi|15608613	895	0.265	54.552	-0.07	0.004	0.42	0.576
E	K	gi|15608613	16	0.578	118.874	1.179	0.018	0.846	0.136
E	K	gi|15608613	20	0.485	99.662	0.479	0.005	0.262	0.733
E	K	gi|15608613	4	0.603	124.037	-1.481	0.018	0.088	0.893
E	K	gi|15608613	729	0.323	66.482	-0.159	0.113	0.043	0.844
E	K	gi|15608621	173	0.605	124.387	0.742	0.176	0.004	0.82
E	K	gi|15608621	104	0.268	55.045	1.283	0.923	0.002	0.076
B	K	gi|15608622	233	0.079	16.333	-0.701	0.018	0.019	0.964
E	K	gi|15608626	255	0.494	101.719	0.781	0.858	0.002	0.139
E	K	gi|15608626	259	0.449	92.442	0.723	0.97	0.001	0.03
E	K	gi|15608626	204	0.423	86.949	0.654	0.97	0.001	0.03
E	K	gi|15608626	210	0.396	81.56	0.689	0.97	0.001	0.03
E	K	gi|15608626	313	0.492	101.163	0.347	0.43	0.016	0.555
E	K	gi|15608630	583	0.537	110.481	-1.208	0.018	0.019	0.964
E	K	gi|15608631	337	0.508	104.516	-0.112	0.058	0.017	0.925
E	K	gi|15608659	313	0.493	101.451	1.912	0.97	0.001	0.03
E	K	gi|15608667	314	0.507	104.249	1.856	0.97	0.001	0.03
E	K	gi|15608670	117	0.44	90.446	0.028	0.004	0.138	0.858
E	K	gi|15608671	45	0.577	118.668	0	0.97	0.001	0.03
B	K	gi|15608671	281	0.231	47.578	0.354	0.053	0.043	0.903
E	K	gi|15608674	388	0.478	98.242	1.505	0.923	0.002	0.076
E	K	gi|15608682	133	0.775	159.335	1.106	0.782	0.003	0.216
B	K	gi|15608696	36	0.142	29.127	-0.285	0.005	0.045	0.951
E	K	gi|15608697	116	0.598	122.967	-0.137	0.018	0.019	0.964
E	K	gi|15608731	147	0.456	93.799	0.738	0.321	0.003	0.675
B	K	gi|15608734	150	0.192	39.433	-0.083	0.923	0.002	0.076
E	K	gi|15608734	140	0.322	66.235	-0.028	0.053	0.043	0.903
E	K	gi|15608736	34	0.295	60.743	0.116	0.455	0.046	0.498

E	K	gi|15608736	78	0.523	107.581	-0.979	0.058	0.017	0.925
B	K	gi|15608739	184	0.197	40.523	1.041	0.988	0	0.012
B	K	gi|15608741	227	0.171	35.195	0.504	0.831	0.044	0.125
E	K	gi|15608749	269	0.426	87.566	-0.372	0.005	0.015	0.979
E	K	gi|15608749	59	0.26	53.503	1.254	0.004	0.514	0.481
E	K	gi|15608755	317	0.542	111.489	0.78	0.058	0.017	0.925
E	K	gi|15608755	72	0.534	109.823	-0.626	0.005	0.336	0.66
E	K	gi|15608755	368	0.33	67.778	1.217	0.005	0.262	0.733
E	K	gi|15608755	45	0.333	68.539	1.696	0.97	0.001	0.03
E	K	gi|15608755	431	0.518	106.614	1.819	0.97	0.001	0.03
E	K	gi|15608755	110	0.624	128.439	0.9	0.502	0.002	0.495
E	K	gi|15608765	231	0.77	158.286	1.63	0.858	0.002	0.139
E	K	gi|15608767	182	0.572	117.558	1.082	0.782	0.003	0.216
E	K	gi|15608767	786	0.689	141.666	0.473	0.694	0.003	0.303
E	K	gi|15608768	167	0.439	90.323	0.543	0.231	0.33	0.439
E	K	gi|15608768	104	0.282	58.007	-0.064	0.074	0.484	0.442
E	K	gi|15608768	303	0.448	92.154	0.091	0.002	0.816	0.182
E	K	gi|15608769	238	0.354	72.736	0.376	0.018	0.088	0.893
E	K	gi|15608774	54	0.463	95.219	-0.41	0.058	0.017	0.925
E	K	gi|15608774	83	0.55	113.032	0.615	0.004	0.085	0.91
E	K	gi|15608774	137	0.675	138.889	0.96	0.018	0.047	0.935
E	K	gi|15608774	5	0.441	90.734	0.965	0.019	0.141	0.84
E	K	gi|15608774	74	0.256	52.7	1.502	0.97	0.001	0.03
E	K	gi|15608776	475	0.604	124.243	1.481	0.97	0.001	0.03
E	K	gi|15608776	211	0.508	104.578	0.519	0.052	0.084	0.864
E	K	gi|15608779	190	0.658	135.248	0.952	0.115	0.016	0.868
E	K	gi|15608788	65	0.652	134.096	0.168	0.018	0.047	0.935
E	K	gi|15608788	66	0.374	76.994	0.664	0.004	0.138	0.858
E	K	gi|15608792	24	0.467	96.124	1.215	0.858	0.002	0.139
B	K	gi|15608792	34	0.07	14.502	0.17	0.001	0.959	0.04
E	K	gi|15608793	314	0.603	124.017	1.903	0.97	0.001	0.03
E	K	gi|15608793	348	0.427	87.834	1.561	0.923	0.002	0.076
E	K	gi|15608794	48	0.256	52.741	-0.197	0.019	0.141	0.84
E	K	gi|15608794	240	0.595	122.453	0.97	0.938	0.007	0.055
E	K	gi|15608821	964	0.542	111.531	0.872	0.181	0.016	0.803
E	K	gi|15608833	27	0.531	109.165	2.239	0.988	0	0.012
E	K	gi|15608837	309	0.265	54.49	0.348	0.02	0.205	0.775
B	K	gi|15608837	130	0.223	45.809	1.474	0.988	0	0.012
E	K	gi|15608870	180	0.398	81.91	0.957	0.003	0.718	0.279
E	K	gi|15608876	72	0.316	65.022	0.964	0.97	0.001	0.03
E	K	gi|15608876	37	0.521	107.149	-0.018	0.052	0.084	0.864
E	K	gi|15608876	76	0.513	105.586	1.084	0.923	0.002	0.076
E	K	gi|15608889	83	0.411	84.44	0.563	0.004	0.138	0.858
B	K	gi|15608889	315	0.225	46.262	-0.601	0.022	0.552	0.426
B	K	gi|15608889	320	0.28	57.514	-0.434	0.118	0.15	0.732
E	K	gi|15608889	175	0.583	119.861	0.106	0.005	0.015	0.979
E	K	gi|15608900	126	0.49	100.834	0.079	0.02	0.205	0.775
E	K	gi|15608908	305	0.317	65.145	0.121	0.246	0.004	0.75
E	K	gi|15608912	96	0.504	103.776	0.245	0.005	0.015	0.979
E	K	gi|15608958	679	0.526	108.178	1.201	0.97	0.001	0.03
B	K	gi|15608964	61	0.205	42.107	0.274	0.001	0.959	0.04
E	K	gi|15608964	141	0.461	94.766	1.111	0.004	0.085	0.91
E	K	gi|15608966	73	0.452	92.894	1.24	0.002	0.816	0.182
E	K	gi|15608969	292	0.431	88.595	1.187	0.802	0.014	0.185
E	K	gi|15608969	805	0.612	125.847	-0.501	0.354	0.048	0.598
E	K	gi|15608974	728	0.363	74.71	0.532	0.113	0.087	0.8
E	K	gi|15608974	447	0.268	55.107	1.035	0.97	0.001	0.03
E	K	gi|15608974	570	0.562	115.562	-0.872	0.115	0.016	0.868
E	K	gi|15608974	66	0.547	112.58	1.484	0.923	0.002	0.076
E	K	gi|15608974	305	0.573	117.887	-0.655	0.118	0.15	0.732
E	K	gi|15608974	443	0.29	59.591	1.283	0.97	0.001	0.03
E	K	gi|15608974	167	0.438	90.076	1.679	0.97	0.001	0.03
E	K	gi|15608980	254	0.349	71.728	-0.181	0.66	0.049	0.291
E	K	gi|15608980	287	0.517	106.429	1.187	0.858	0.002	0.139
E	K	gi|15608980	408	0.543	111.675	0.301	0.056	0.142	0.802
E	K	gi|15608992	187	0.39	80.244	1.033	0.923	0.002	0.076
E	K	gi|15608992	20	0.358	73.579	-0.02	0.176	0.004	0.82
B	K	gi|15609001	43	0.204	42.045	0.195	0.004	0.616	0.381
B	K	gi|15609006	105	0.23	47.332	1.738	0.023	0.655	0.322
E	K	gi|15609009	28	0.539	110.872	-0.195	0.058	0.017	0.925
E	K	gi|15609013	111	0.476	97.934	0.929	0.246	0.004	0.75
B	K	gi|15609031	283	0.24	49.389	0.214	0.053	0.043	0.903
B	K	gi|15609031	348	0.205	42.271	0.926	0.115	0.016	0.868
E	K	gi|15609033	41	0.575	118.339	-0.072	0.016	0.005	0.979
B	K	gi|15609035	76	0.189	38.877	0.817	0.001	0.9	0.099
E	K	gi|15609038	309	0.55	113.217	0.899	0.184	0.043	0.773
E	K	gi|15609045	557	0.402	82.691	-0.32	0.321	0.003	0.675
E	K	gi|15609045	600	0.484	99.559	-1.303	0.058	0.017	0.925
E	K	gi|15609045	356	0.387	79.709	-0.544	0.056	0.142	0.802
E	K	gi|15609045	310	0.608	125.066	-2.328	0.016	0.005	0.979
E	K	gi|15609045	590	0.348	71.522	-0.677	0.053	0.043	0.903
E	K	gi|15609045	688	0.391	80.388	-0.163	0.125	0.227	0.648
E	K	gi|15609045	554	0.277	56.999	0.996	0.938	0.007	0.055
E	K	gi|15609045	410	0.415	85.304	1.86	0.988	0	0.012
E	K	gi|15609045	433	0.587	120.746	-0.996	0.018	0.047	0.935
E	K	gi|15609056	5	0.483	99.333	0.861	0.002	0.816	0.182
B	K	gi|15609065	25	0.177	36.429	1.157	0.97	0.001	0.03
E	K	gi|15609069	90	0.443	91.228	1.781	0.97	0.001	0.03
E	K	gi|15609069	45	0.41	84.296	1.457	0.004	0.085	0.91
E	K	gi|15609081	179	0.42	86.291	-0.111	0.455	0.046	0.498
E	K	gi|15609115	72	0.663	136.42	1.413	0.923	0.002	0.076
B	K	gi|15609117	115	0.212	43.67	-0.158	0.011	0.918	0.071
B	K	gi|15609133	253	0.229	47.188	0.808	0.001	0.959	0.04
E	K	gi|15609139	45	0.479	98.53	2.2	0.97	0.001	0.03
E	K	gi|15609142	252	0.277	57.02	1.328	0.858	0.002	0.139
E	K	gi|15609142	80	0.475	97.769	1.412	0.923	0.002	0.076
E	K	gi|15609142	77	0.585	120.293	1.796	0.923	0.002	0.076
E	K	gi|15609166	11	0.339	69.691	0.111	0.005	0.015	0.979
E	K	gi|15609167	392	0.634	130.414	1.209	0.406	0.004	0.59
E	K	gi|15609168	64	0.526	108.136	0.522	0.004	0.197	0.799
E	K	gi|15609168	85	0.663	136.4	0.599	0.02	0.205	0.775

E	K	gi|15609168	119	0.49	100.711	-0.241	0.004	0.085	0.91
E	K	gi|15609168	132	0.679	139.732	0.51	0.018	0.047	0.935
E	K	gi|15609168	78	0.298	61.196	1.248	0.001	0.959	0.04
E	K	gi|15609168	47	0.423	86.97	0.77	0.004	0.197	0.799
E	K	gi|15609168	114	0.528	108.589	1.863	0.011	0.918	0.071
E	K	gi|15609169	12	0.304	62.492	1.566	0.988	0	0.012
E	K	gi|15609169	45	0.342	70.391	0.334	0.018	0.088	0.893
B	K	gi|15609191	183	0.174	35.73	1.589	0.001	0.959	0.04
E	K	gi|15609191	176	0.416	85.612	0.53	0.246	0.004	0.75
E	K	gi|15609198	26	0.264	54.325	0.657	0.005	0.336	0.66
E	K	gi|15609204	143	0.385	79.133	1.967	0.988	0	0.012
E	K	gi|15609211	61	0.317	65.207	1.245	0.273	0.587	0.14
E	K	gi|15609220	250	0.487	100.238	-0.434	0.058	0.017	0.925
E	K	gi|15609229	761	0.566	116.344	1.752	0.003	0.003	0.994
E	K	gi|15609234	202	0.397	81.725	1.276	0.43	0.016	0.555
E	K	gi|15609240	53	0.358	73.558	0.754	0.02	0.205	0.775
B	K	gi|15609246	52	0.243	49.923	1.021	0.453	0.248	0.299
E	K	gi|15609249	376	0.532	109.515	1.605	0.97	0.001	0.03
B	K	gi|15609258	32	0.277	56.917	-0.376	0.019	0.141	0.84
E	K	gi|15609258	9	0.481	98.921	-0.077	0.058	0.017	0.925
E	K	gi|15609277	143	0.594	122.165	0.276	0.018	0.047	0.935
E	K	gi|15609277	140	0.404	83.165	0.427	0.004	0.138	0.858
E	K	gi|15609282	190	0.354	72.777	1.253	0.97	0.001	0.03
E	K	gi|15609282	224	0.407	83.679	1.34	0.97	0.001	0.03
E	K	gi|15609282	122	0.515	105.997	1.371	0.923	0.002	0.076
E	K	gi|15609282	15	0.554	113.958	0.82	0.184	0.043	0.773
E	K	gi|15609282	20	0.368	75.718	-0.674	0.115	0.016	0.868
E	K	gi|15609282	179	0.316	64.898	0.882	0.923	0.002	0.076
E	K	gi|15609296	2	0.558	114.698	-0.817	0.018	0.047	0.935
B	K	gi|15609298	36	0.066	13.597	-0.168	0.113	0.087	0.8
E	K	gi|15609303	21	0.584	120.17	1.546	0.6	0.003	0.397
E	K	gi|15609303	9	0.456	93.82	0.359	0.066	0.296	0.638
E	K	gi|15609309	254	0.353	72.571	1.211	0.923	0.002	0.076
E	K	gi|15609309	163	0.438	90.179	1.156	0.021	0.756	0.223
E	K	gi|15609309	207	0.463	95.321	0.142	0.113	0.087	0.8
E	K	gi|15609315	133	0.299	61.401	0.738	0.053	0.043	0.903
E	K	gi|15609315	328	0.521	107.17	-0.213	0.018	0.019	0.964
B	K	gi|15609319	132	0.181	37.335	0.05	0.43	0.016	0.555
E	K	gi|15609322	136	0.509	104.64	1.77	0.97	0.001	0.03
B	K	gi|15609324	282	0.239	49.203	1.432	0.97	0.001	0.03
E	K	gi|15609332	37	0.655	134.672	-0.263	0.115	0.016	0.868
E	K	gi|15609333	456	0.447	91.886	0.598	0.023	0.655	0.322
E	K	gi|15609337	329	0.695	142.879	-0.859	0.115	0.016	0.868
E	K	gi|15609339	161	0.747	153.74	1.028	0.694	0.003	0.303
E	K	gi|15609347	299	0.533	109.535	1.264	0.694	0.003	0.303
E	K	gi|15609348	290	0.453	93.264	0.592	0.858	0.002	0.139
E	K	gi|15609350	212	0.583	119.985	1.963	0.97	0.001	0.03
E	K	gi|15609352	361	0.316	64.898	1.001	0.782	0.003	0.216
E	K	gi|15609352	287	0.536	110.173	-1.155	0.113	0.087	0.8
E	K	gi|15609352	302	0.577	118.648	-1.411	0.058	0.017	0.925
E	K	gi|15609352	387	0.407	83.72	1.072	0.858	0.002	0.139
E	K	gi|15609352	352	0.239	49.142	0.905	0.938	0.007	0.055
B	K	gi|15609352	539	0.216	44.411	1.417	0.988	0	0.012
E	K	gi|15609352	208	0.488	100.402	-0.843	0.184	0.043	0.773
E	K	gi|15609352	212	0.554	113.896	-0.769	0.113	0.043	0.844
E	K	gi|15609352	273	0.362	74.525	-0.655	0.135	0.317	0.548
B	K	gi|15609352	331	0.188	38.713	0.74	0.97	0.001	0.03
E	K	gi|15609352	454	0.465	95.568	1.364	0.005	0.015	0.979
E	K	gi|15609357	17	0.686	141.192	0.964	0.005	0.015	0.979
B	K	gi|15609357	201	0.199	41.017	1.496	0.97	0.001	0.03
E	K	gi|15609357	44	0.665	136.77	1.159	0.6	0.003	0.397
E	K	gi|15609357	183	0.411	84.563	-1.025	0.018	0.047	0.935
E	K	gi|15609357	361	0.545	112.168	0.252	0.005	0.045	0.951
E	K	gi|15609357	14	0.607	124.86	1.835	0.782	0.003	0.216
E	K	gi|15609357	394	0.476	97.872	0.5	0.502	0.002	0.495
E	K	gi|15609357	392	0.387	79.668	1.164	0.923	0.002	0.076
E	K	gi|15609357	4	0.518	106.614	-0.138	0.246	0.004	0.75
E	K	gi|15609357	11	0.551	113.32	2.162	0.97	0.001	0.03
B	K	gi|15609357	265	0.121	24.931	0.575	0.021	0.279	0.699
E	K	gi|15609359	363	0.614	126.382	0.357	0.782	0.003	0.216
E	K	gi|15609367	250	0.559	114.904	0.166	0.018	0.047	0.935
E	K	gi|15609376	31	0.466	95.856	0.483	0.538	0.173	0.289
E	K	gi|15609381	94	0.578	118.977	0.693	0.268	0.043	0.689
E	K	gi|15609381	115	0.804	165.486	0.443	0.003	0.003	0.994
E	K	gi|15609381	79	0.672	138.148	1.864	0.923	0.002	0.076
E	K	gi|15609381	58	0.688	141.439	1.462	0.004	0.197	0.799
E	K	gi|15609382	232	0.569	117.126	-0.328	0.113	0.043	0.844
E	K	gi|15609382	260	0.43	88.513	1.942	0.02	0.205	0.775
B	K	gi|15609395	187	0.098	20.241	0.809	0.97	0.001	0.03
E	K	gi|15609417	354	0.543	111.675	1.779	0.97	0.001	0.03
E	K	gi|15609417	329	0.289	59.509	-0.21	0.694	0.003	0.303
E	K	gi|15609417	322	0.446	91.824	1.869	0.97	0.001	0.03
E	K	gi|15609422	237	0.399	82.095	0.685	0.053	0.043	0.903
E	K	gi|15609433	262	0.421	86.661	1.177	0.858	0.002	0.139
E	K	gi|15609433	276	0.348	71.584	-1.056	0.005	0.045	0.951
E	K	gi|15609435	208	0.435	89.438	0.624	0.056	0.142	0.802
E	K	gi|15609436	378	0.386	79.38	1.762	0.988	0	0.012
E	K	gi|15609436	205	0.453	93.141	1.549	0.858	0.002	0.139
E	K	gi|15609436	439	0.528	108.568	1.168	0.109	0.005	0.886
E	K	gi|15609436	72	0.626	128.789	-0.191	0.005	0.015	0.979
E	K	gi|15609436	363	0.457	94.067	1.889	0.97	0.001	0.03
E	K	gi|15609436	458	0.582	119.759	0.003	0.6	0.003	0.397
E	K	gi|15609436	466	0.408	83.946	0.933	0.858	0.002	0.139
E	K	gi|15609451	13	0.593	121.96	2.066	0.97	0.001	0.03
B	K	gi|15609494	384	0.162	33.262	1.325	0.988	0	0.012
E	K	gi|15609495	96	0.372	76.5	1.161	0.923	0.002	0.076
E	K	gi|15609510	21	0.313	64.466	1.917	0.97	0.001	0.03
E	K	gi|15609521	453	0.382	78.557	0.487	0.056	0.142	0.802
E	K	gi|15609528	310	0.454	93.429	0.449	0.66	0.049	0.291
E	K	gi|15609528	321	0.37	76.068	-0.92	0.428	0.171	0.402
E	K	gi|15609528	334	0.445	91.475	-1.119	0.199	0.152	0.649

E	K	gi|15609528	304	0.527	108.445	-0.583	0.66	0.049	0.291
E	K	gi|15609528	56	0.655	134.692	0.194	0.246	0.004	0.75
E	K	gi|15609528	523	0.615	126.526	0.042	0.018	0.088	0.893
B	K	gi|15609528	206	0.278	57.267	0.376	0.053	0.005	0.942
B	K	gi|15609541	426	0.223	45.892	0.063	0.002	0.816	0.182
E	K	gi|15609542	102	0.51	104.989	0.116	0.018	0.047	0.935
E	K	gi|15609543	84	0.442	91.002	-0.061	0.005	0.015	0.979
E	K	gi|15609546	210	0.441	90.714	-0.999	0.053	0.043	0.903
E	K	gi|15609546	132	0.763	156.908	0.425	0.109	0.005	0.886
E	K	gi|15609547	232	0.416	85.489	1.566	0.988	0	0.012
E	K	gi|15609549	46	0.456	93.84	2.206	0.97	0.001	0.03
B	K	gi|15609556	67	0.154	31.637	1.404	0.97	0.001	0.03
E	K	gi|15609556	47	0.855	175.832	0.854	0.246	0.004	0.75
B	K	gi|15609565	55	0.204	42.045	-0.523	0.005	0.015	0.979
E	K	gi|15609566	15	0.53	109.083	0.741	0.66	0.049	0.291
E	K	gi|15609566	18	0.439	90.405	1.073	0.538	0.173	0.289
E	K	gi|15609566	7	0.401	82.445	0.782	0.879	0.01	0.111
E	K	gi|15609566	5	0.511	105.195	1.752	0.858	0.002	0.139
E	K	gi|15609579	58	0.617	126.937	0.68	0.004	0.197	0.799
E	K	gi|15609579	70	0.554	114.02	-0.287	0.004	0.197	0.799
E	K	gi|15609579	24	0.302	62.142	1.527	0.001	0.959	0.04
E	K	gi|15609579	54	0.339	69.753	-0.256	0.021	0.451	0.528
E	K	gi|15609581	440	0.371	76.253	0.405	0.004	0.616	0.381
E	K	gi|15609581	626	0.507	104.31	1.318	0.02	0.205	0.775
B	K	gi|15609581	485	0.229	47.126	1.831	0.988	0	0.012
E	K	gi|15609581	529	0.327	67.326	1.388	0.97	0.001	0.03
E	K	gi|15609585	828	0.538	110.728	1.331	0.97	0.001	0.03
E	K	gi|15609585	535	0.412	84.646	-0.524	0.113	0.043	0.844
E	K	gi|15609585	369	0.632	129.982	1.367	0.923	0.002	0.076
E	K	gi|15609585	335	0.407	83.699	-0.7	0.135	0.317	0.548
E	K	gi|15609591	45	0.524	107.787	0.119	0.522	0.016	0.462
B	K	gi|15609591	167	0.174	35.771	-0.647	0.307	0.165	0.527
E	K	gi|15609592	448	0.618	127.143	-0.445	0.354	0.048	0.598
E	K	gi|15609592	211	0.408	83.864	0.148	0.053	0.005	0.942
E	K	gi|15609599	33	0.549	112.97	2.117	0.97	0.001	0.03
E	K	gi|15609603	85	0.647	133.067	-0.18	0.321	0.003	0.675
E	K	gi|15609611	62	0.517	106.367	-0.396	0.021	0.279	0.699
E	K	gi|15609612	79	0.383	78.804	0.632	0.001	0.959	0.04
E	K	gi|15609612	62	0.3	61.628	1.121	0.001	0.9	0.099
B	K	gi|15609613	1141	0.19	39.165	1.491	0.001	0.9	0.099
E	K	gi|15609613	835	0.367	75.574	0.352	0.191	0.086	0.723
B	K	gi|15609613	845	0.217	44.657	0.014	0.004	0.197	0.799
B	K	gi|15609613	1599	0.226	46.509	0.386	0.053	0.005	0.942
E	K	gi|15609613	1268	0.686	141.11	0.67	0.923	0.002	0.076
E	K	gi|15609613	1062	0.5	102.932	0.112	0.022	0.359	0.619
E	K	gi|15609613	1442	0.518	106.573	1.855	0.97	0.001	0.03
E	K	gi|15609613	1200	0.383	78.721	0.954	0.018	0.047	0.935
E	K	gi|15609613	180	0.525	107.972	2.15	0.97	0.001	0.03
E	K	gi|15609613	275	0.349	71.851	0.447	0.004	0.085	0.91
B	K	gi|15609613	830	0.246	50.582	0.673	0.879	0.01	0.111
E	K	gi|15609614	338	0.562	115.665	0.816	0.004	0.42	0.576
E	K	gi|15609614	247	0.332	68.313	1.474	0.923	0.002	0.076
E	K	gi|15609614	432	0.466	95.774	1.609	0.003	0.003	0.994
E	K	gi|15609614	379	0.459	94.416	1.194	0.001	0.959	0.04
E	K	gi|15609614	385	0.348	71.645	1.277	0.001	0.9	0.099
B	K	gi|15609632	278	0.219	44.966	1.01	0.018	0.019	0.964
E	K	gi|15609635	23	0.509	104.66	1.082	0.858	0.002	0.139
E	K	gi|15609637	324	0.472	97.07	0.57	0.016	0.005	0.979
E	K	gi|15609638	322	0.555	114.205	-0.31	0.018	0.047	0.935
E	K	gi|15609639	319	0.436	89.747	1.023	0.052	0.084	0.864
E	K	gi|15609640	156	0.49	100.772	0.723	0.003	0.718	0.279
E	K	gi|15609640	151	0.555	114.184	-0.351	0.018	0.047	0.935
B	K	gi|15609640	127	0.185	38.137	-1.672	0.021	0.279	0.699
E	K	gi|15609641	82	0.45	92.668	0.109	0.923	0.002	0.076
B	K	gi|15609648	136	0.196	40.276	0.592	0.97	0.001	0.03
E	K	gi|15609648	98	0.594	122.124	-0.973	0.003	0.003	0.994
B	K	gi|15609658	80	0.159	32.624	1.023	0.923	0.002	0.076
E	K	gi|15609658	143	0.442	91.002	-0.464	0.018	0.019	0.964
E	K	gi|15609658	12	0.539	110.79	1.164	0.053	0.043	0.903
E	K	gi|15609659	459	0.414	85.078	1.415	0.97	0.001	0.03
E	K	gi|15609661	2858	0.612	125.827	1.334	0.858	0.002	0.139
B	K	gi|15609661	2848	0.034	7.097	-0.798	0.97	0.001	0.03
E	K	gi|15609661	1359	0.447	92.01	1.314	0.988	0	0.012
B	K	gi|15609661	1873	0.266	54.819	-0.041	0.052	0.084	0.864
E	K	gi|15609664	115	0.494	101.616	1.37	0.879	0.01	0.111
B	K	gi|15609665	229	0.21	43.218	1.543	0.97	0.001	0.03
E	K	gi|15609670	45	0.605	124.346	-0.836	0.109	0.005	0.886
E	K	gi|15609671	42	0.292	60.003	1.486	0.001	0.959	0.04
E	K	gi|15609671	48	0.463	95.342	0.476	0.005	0.262	0.733
E	K	gi|15609671	52	0.384	78.907	0.773	0.001	0.9	0.099
E	K	gi|15609671	59	0.442	90.919	1.759	0.004	0.514	0.481
E	K	gi|15609674	47	0.526	108.198	1.751	0.002	0.816	0.182
B	K	gi|15609675	39	0.198	40.811	1.275	0.004	0.42	0.576
B	K	gi|15609677	315	0.211	43.341	0.75	0.004	0.42	0.576
E	K	gi|15609692	765	0.561	115.336	1.515	0.97	0.001	0.03
E	K	gi|15609692	872	0.399	82.115	0.383	0.058	0.017	0.925
E	K	gi|15609692	548	0.753	154.933	0.056	0.005	0.015	0.979
E	K	gi|15609692	226	0.379	77.919	0.582	0.018	0.019	0.964
E	K	gi|15609706	154	0.562	115.542	-1.319	0.016	0.005	0.979
E	K	gi|15609709	364	0.487	100.135	-0.658	0.43	0.016	0.555
E	K	gi|15609718	45	0.722	148.536	1.696	0.858	0.002	0.139
E	K	gi|15609726	166	0.348	71.501	-0.018	0.018	0.047	0.935
E	K	gi|15609727	192	0.454	93.45	-1.604	0.257	0.016	0.727
E	K	gi|15609743	258	0.344	70.679	1.365	0.97	0.001	0.03
E	K	gi|15609743	271	0.513	105.586	1.441	0.97	0.001	0.03
B	K	gi|15609744	81	0.216	44.39	0.718	0.002	0.816	0.182
E	K	gi|15609751	217	0.426	87.669	-0.957	0.066	0.296	0.638
E	K	gi|15609751	142	0.543	111.613	1.846	0.858	0.002	0.139
E	K	gi|15609751	406	0.435	89.5	-0.863	0.056	0.142	0.802
E	K	gi|15609760	109	0.538	110.769	0.836	0.406	0.004	0.59
E	K	gi|15609760	77	0.587	120.746	1.929	0.923	0.002	0.076

E	K	gi|15609760	35	0.771	158.512	0.608	0.003	0.003	0.994
E	K	gi|15609761	82	0.611	125.744	1.816	0.004	0.616	0.381
B	K	gi|15609761	47	0.195	40.091	0.305	0.004	0.197	0.799
E	K	gi|15609778	30	0.494	101.616	0.224	0.021	0.756	0.223
E	K	gi|15609812	229	0.498	102.356	0.095	0.018	0.047	0.935
E	K	gi|15609813	44	0.545	112.168	0.914	0.923	0.002	0.076
E	K	gi|15609813	164	0.501	103.097	-0.064	0.257	0.016	0.727
E	K	gi|15609816	139	0.278	57.123	1.566	0.148	0.418	0.435
B	K	gi|15609834	91	0.138	28.366	1.066	0.001	0.959	0.04
E	K	gi|15609840	59	0.628	129.138	0.719	0.053	0.043	0.903
E	K	gi|15609848	67	0.454	93.347	1.61	0.782	0.003	0.216
E	K	gi|15609848	185	0.426	87.731	0.844	0.923	0.002	0.076
E	K	gi|15609850	24	0.691	142.242	1.15	0.782	0.003	0.216
E	K	gi|15609853	29	0.58	119.285	-0.231	0.003	0.003	0.994
B	K	gi|15609863	38	0.285	58.563	-0.283	0.053	0.043	0.903
B	K	gi|15609890	171	0.194	39.947	0.085	0.003	0.718	0.279
E	K	gi|15609890	100	0.46	94.622	2.229	0.97	0.001	0.03
E	K	gi|15609902	193	0.369	75.862	2.056	0.97	0.001	0.03
E	K	gi|15609902	3	0.487	100.217	0.277	0.004	0.514	0.481
E	K	gi|15609910	136	0.354	72.838	0.214	0.058	0.017	0.925
E	K	gi|15609910	11	0.364	74.854	0.408	0.6	0.003	0.397
E	K	gi|15609910	149	0.372	76.582	1.614	0.988	0	0.012
E	K	gi|15609917	10	0.435	89.5	-0.035	0.018	0.047	0.935
E	K	gi|15609917	75	0.404	83.103	0.174	0.005	0.262	0.733
E	K	gi|15609917	230	0.462	95.054	1.251	0.502	0.002	0.495
E	K	gi|15609918	254	0.296	60.846	1.014	0.938	0.007	0.055
E	K	gi|15609918	299	0.344	70.679	0.227	0.923	0.002	0.076
E	K	gi|15609920	697	0.26	53.544	0.266	0.021	0.451	0.528
B	K	gi|15609920	306	0.168	34.475	1.477	0.97	0.001	0.03
E	K	gi|15609920	322	0.561	115.357	0.647	0.923	0.002	0.076
E	K	gi|15609920	570	0.398	81.869	0.007	0.802	0.014	0.185
E	K	gi|15609920	63	0.429	88.142	0.57	0.018	0.047	0.935
E	K	gi|15609920	542	0.532	109.432	-1.033	0.02	0.205	0.775
E	K	gi|15609920	601	0.313	64.343	-0.604	0.018	0.846	0.136
E	K	gi|15609922	44	0.606	124.675	1.507	0.858	0.002	0.139
E	K	gi|15609923	47	0.615	126.505	1.695	0.97	0.001	0.03
E	K	gi|15609926	157	0.387	79.647	1.462	0.018	0.846	0.136
E	K	gi|15609955	352	0.259	53.194	1.083	0.97	0.001	0.03
E	K	gi|15609955	202	0.355	73.003	0.727	0.561	0.047	0.393
E	K	gi|15609955	199	0.53	108.98	-0.386	0.561	0.047	0.393
E	K	gi|15609976	765	0.541	111.387	1.19	0.923	0.002	0.076
E	K	gi|15609976	862	0.566	116.488	0.397	0.113	0.043	0.844
E	K	gi|15609976	799	0.563	115.727	1.365	0.058	0.017	0.925
E	K	gi|15609976	513	0.262	53.832	0.664	0.018	0.019	0.964
E	K	gi|15609982	173	0.388	79.873	1.399	0.97	0.001	0.03
E	K	gi|15609982	531	0.315	64.857	0.77	0.879	0.01	0.111
E	K	gi|15609982	128	0.382	78.577	0.097	0.522	0.016	0.462
E	K	gi|15609982	26	0.337	69.239	1.144	0.97	0.001	0.03
E	K	gi|15609982	495	0.486	100.052	-0.193	0.018	0.019	0.964
E	K	gi|15610005	336	0.333	68.478	-0.242	0.02	0.205	0.775
E	K	gi|15610005	133	0.517	106.265	2.196	0.988	0	0.012
E	K	gi|15610005	122	0.481	98.839	-0.463	0.058	0.017	0.925
E	K	gi|15610019	158	0.621	127.699	1.711	0.97	0.001	0.03
E	K	gi|15610019	162	0.583	119.903	2.049	0.97	0.001	0.03
E	K	gi|15610019	115	0.525	108.095	1.966	0.988	0	0.012
E	K	gi|15610019	144	0.683	140.575	0.338	0.321	0.003	0.675
B	K	gi|15610019	68	0.163	33.529	1.296	0.002	0.816	0.182
E	K	gi|15610026	214	0.447	92.051	0.777	0.016	0.005	0.979
E	K	gi|15610026	221	0.405	83.247	0.938	0.751	0.05	0.199
E	K	gi|15610026	131	0.402	82.671	1.036	0.113	0.043	0.844
E	K	gi|15610027	109	0.463	95.239	0.319	0.858	0.002	0.139
E	K	gi|15610032	273	0.456	93.717	1.07	0.923	0.002	0.076
E	K	gi|15610038	77	0.353	72.612	0.234	0.079	0.592	0.329
E	K	gi|15610041	43	0.291	59.818	0.806	0.001	0.9	0.099
E	K	gi|15610046	84	0.414	85.222	-0.092	0.561	0.047	0.393
E	K	gi|15610046	94	0.476	97.913	0.541	0.199	0.152	0.649
E	K	gi|15610056	9	0.266	54.696	1.601	0.005	0.262	0.733
E	K	gi|15610064	167	0.626	128.83	1.64	0.97	0.001	0.03
E	K	gi|15610064	100	0.427	87.793	1.688	0.97	0.001	0.03
E	K	gi|15610065	56	0.293	60.229	1.198	0.004	0.616	0.381
E	K	gi|15610072	34	0.355	73.085	0.25	0.018	0.019	0.964
E	K	gi|15610072	379	0.383	78.701	0.884	0.6	0.003	0.397
B	K	gi|15610077	1561	0.112	23.059	0.261	0.003	0.718	0.279
B	K	gi|15610077	1582	0.219	45.007	0.587	0.257	0.016	0.727
E	K	gi|15610077	2081	0.278	57.143	0.423	0.649	0.163	0.188
E	K	gi|15610088	142	0.49	100.855	1.107	0.522	0.016	0.462
E	K	gi|15610088	187	0.551	113.382	-0.857	0.018	0.019	0.964
E	K	gi|15610090	127	0.669	137.634	1.246	0.923	0.002	0.076
E	K	gi|15610102	55	0.322	66.153	1.797	0.97	0.001	0.03
E	K	gi|15610104	508	0.612	125.827	0.178	0.605	0.105	0.29
E	K	gi|15610106	159	0.353	72.55	0.557	0.694	0.003	0.303
E	K	gi|15610106	67	0.73	150.223	-1.149	0.058	0.017	0.925
B	K	gi|15610121	489	0.257	52.824	0.613	0.199	0.152	0.649
E	K	gi|15610121	687	0.361	74.196	0.466	0.004	0.138	0.858
E	K	gi|15610121	223	0.421	86.6	1.277	0.002	0.816	0.182
E	K	gi|15610121	519	0.53	108.939	-0.362	0.181	0.016	0.803
E	K	gi|15610122	148	0.477	98.078	-1.35	0.268	0.043	0.689
E	K	gi|15610122	55	0.343	70.473	0.34	0.022	0.359	0.619
E	K	gi|15610123	103	0.519	106.655	-0.558	0.058	0.017	0.925
E	K	gi|15610123	70	0.582	119.615	1.042	0.021	0.756	0.223
E	K	gi|15610123	72	0.519	106.738	0.62	0.019	0.141	0.84
B	K	gi|15610128	61	0.125	25.692	0.974	0.911	0.033	0.057
B	K	gi|15610132	178	0.142	29.271	0.371	0.053	0.043	0.903
B	K	gi|15610132	171	0.276	56.855	0.349	0.005	0.015	0.979
E	K	gi|15610139	133	0.3	61.813	1.809	0.858	0.002	0.139
E	K	gi|15610139	75	0.401	82.465	1.832	0.001	0.959	0.04
E	K	gi|15610146	152	0.308	63.438	0.657	0.118	0.15	0.732
B	K	gi|15610146	234	0.234	48.175	0.264	0.004	0.42	0.576
E	K	gi|15610146	254	0.483	99.271	1.017	0.858	0.002	0.139
E	K	gi|15610146	248	0.328	67.408	0.469	0.004	0.42	0.576
E	K	gi|15610147	64	0.287	59.139	-0.174	0.176	0.004	0.82

E	K	gi|15610165	57	0.276	56.814	2.149	0.001	0.9	0.099
E	K	gi|15610165	17	0.591	121.589	1.15	0.622	0.015	0.363
E	K	gi|15610165	51	0.412	84.748	0.644	0.858	0.002	0.139
E	K	gi|15610165	284	0.388	79.77	0.585	0.004	0.085	0.91
E	K	gi|15610165	304	0.494	101.595	1.914	0.97	0.001	0.03
E	K	gi|15610165	314	0.504	103.57	1.837	0.97	0.001	0.03
E	K	gi|15610166	87	0.255	52.392	0.718	0.022	0.552	0.426
B	K	gi|15610166	92	0.246	50.52	0.687	0.003	0.718	0.279
E	K	gi|15610166	53	0.555	114.163	0.995	0.802	0.014	0.185
E	K	gi|15610166	197	0.565	116.22	0.993	0.858	0.002	0.139
E	K	gi|15610166	79	0.404	83.206	1.349	0.97	0.001	0.03
E	K	gi|15610166	19	0.522	107.437	1.141	0.001	0.9	0.099
E	K	gi|15610166	153	0.464	95.404	1.163	0.001	0.9	0.099
E	K	gi|15610166	160	0.349	71.769	1.972	0.001	0.9	0.099
E	K	gi|15610166	245	0.414	85.078	1.091	0.001	0.959	0.04
E	K	gi|15610166	264	0.607	124.778	1.039	0.058	0.017	0.925
E	K	gi|15610182	36	0.288	59.262	1.224	0.001	0.9	0.099
E	K	gi|15610182	109	0.493	101.369	0.459	0.522	0.016	0.462
B	K	gi|15610182	210	0.122	25.034	0.999	0.923	0.002	0.076
E	K	gi|15610182	209	0.637	131.01	0.862	0.782	0.003	0.216
E	K	gi|15610187	12	0.596	122.535	0.309	0.058	0.017	0.925
E	K	gi|15610187	63	0.481	99.024	0.783	0.113	0.043	0.844
E	K	gi|15610188	500	0.703	144.566	0.243	0.018	0.047	0.935
E	K	gi|15610188	65	0.49	100.814	2.093	0.97	0.001	0.03
E	K	gi|15610188	259	0.494	101.554	-0.017	0.455	0.046	0.498
E	K	gi|15610198	452	0.377	77.487	0.541	0.782	0.003	0.216
E	K	gi|15610212	276	0.392	80.676	1.914	0.97	0.001	0.03
E	K	gi|15610212	151	0.6	123.502	-0.035	0.115	0.016	0.868
E	K	gi|15610223	227	0.666	136.934	1.708	0.858	0.002	0.139
E	K	gi|15610224	341	0.325	66.832	0.541	0.923	0.002	0.076
E	K	gi|15610225	54	0.464	95.445	-0.102	0.115	0.016	0.868
E	K	gi|15610226	487	0.354	72.818	0.73	0.622	0.015	0.363
E	K	gi|15610231	14	0.402	82.691	2.349	0.97	0.001	0.03
E	K	gi|15610236	197	0.481	98.942	-0.486	0.052	0.084	0.864
E	K	gi|15610236	269	0.508	104.496	0.248	0.879	0.01	0.111
B	K	gi|15610242	302	0.2	41.037	1.902	0.97	0.001	0.03
E	K	gi|15610269	107	0.526	108.239	0.848	0.016	0.005	0.979
E	K	gi|15610269	179	0.541	111.304	0.585	0.802	0.014	0.185
E	K	gi|15610269	182	0.511	105.092	1.773	0.97	0.001	0.03
E	K	gi|15610275	244	0.391	80.408	1.234	0.018	0.846	0.136
E	K	gi|15610275	12	0.472	97.008	0.708	0.339	0.016	0.645
E	K	gi|15610276	10	0.48	98.674	1.376	0.923	0.002	0.076
E	K	gi|15610285	45	0.449	92.359	2.31	0.988	0	0.012
E	K	gi|15610286	246	0.686	141.11	-0.971	0.018	0.019	0.964
E	K	gi|15610305	308	0.378	77.775	-1.149	0.019	0.141	0.84
B	K	gi|15610336	157	0.198	40.749	-0.376	0.782	0.003	0.216
E	K	gi|15610346	166	0.443	91.146	0.222	0.354	0.048	0.598
B	K	gi|15610351	188	0.277	57.041	0.901	0.002	0.816	0.182
B	K	gi|15610359	79	0.226	46.488	0.399	0.802	0.014	0.185
B	K	gi|15610360	37	0.231	47.434	0.986	0.004	0.138	0.858
E	K	gi|15610360	44	0.601	123.605	0.315	0.6	0.003	0.397
E	K	gi|15610360	136	0.287	58.954	1.181	0.858	0.002	0.139
E	K	gi|15610360	216	0.377	77.569	1.346	0.018	0.019	0.964
E	K	gi|15610360	230	0.546	112.23	0.343	0.058	0.017	0.925
E	K	gi|15610360	6	0.252	51.898	1.55	0.005	0.336	0.66
B	K	gi|15610363	23	0.206	42.354	-0.056	0.321	0.003	0.675
E	K	gi|15610382	108	0.415	85.365	0.971	0.058	0.017	0.925
B	K	gi|15610384	188	0.214	43.958	-0.144	0.701	0.107	0.192
E	K	gi|15610384	350	0.527	108.383	1.292	0.782	0.003	0.216
E	K	gi|15610384	60	0.616	126.608	1.314	0.058	0.017	0.925
B	K	gi|15610384	254	0.187	38.445	0.156	0.455	0.046	0.498
E	K	gi|15610384	456	0.307	63.068	1.125	0.97	0.001	0.03
B	K	gi|15610384	213	0.175	36.08	0.769	0.021	0.756	0.223
E	K	gi|15610384	471	0.584	120.129	1.526	0.125	0.227	0.648
E	K	gi|15610384	474	0.69	141.933	0.758	0.717	0.014	0.269
E	K	gi|15610384	384	0.292	60.147	0.59	0.064	0.216	0.721
E	K	gi|15610384	118	0.475	97.728	0.057	0.052	0.084	0.864
E	K	gi|15610391	289	0.36	73.97	0.396	0.018	0.047	0.935
B	K	gi|15610391	400	0.161	33.159	1.705	0.001	0.959	0.04
E	K	gi|15610391	307	0.406	83.452	-0.32	0.018	0.047	0.935
E	K	gi|15610405	33	0.586	120.602	0.558	0.43	0.016	0.555
E	K	gi|15610405	53	0.492	101.163	0.589	0.66	0.049	0.291
E	K	gi|15610406	71	0.565	116.262	1.941	0.923	0.002	0.076
E	K	gi|15610408	231	0.394	80.943	-1.566	0.184	0.043	0.773
E	K	gi|15610408	273	0.373	76.767	1.987	0.988	0	0.012
E	K	gi|15610408	269	0.588	121.013	0.845	0.923	0.002	0.076
E	K	gi|15610410	151	0.362	74.505	1.855	0.006	0.962	0.032
E	K	gi|15610410	32	0.652	134.096	1.951	0.858	0.002	0.139
E	K	gi|15610410	44	0.698	143.62	1.295	0.246	0.004	0.75
E	K	gi|15610410	207	0.508	104.516	0.101	0.056	0.142	0.802
E	K	gi|15610410	197	0.294	60.373	0.533	0.005	0.015	0.979
E	K	gi|15610410	117	0.608	124.963	1.414	0.97	0.001	0.03
E	K	gi|15610411	160	0.296	60.99	0.792	0.782	0.003	0.216
B	K	gi|15610412	368	0.183	37.623	-0.078	0.004	0.514	0.481
E	K	gi|15610412	361	0.444	91.393	-0.032	0.018	0.088	0.893
E	K	gi|15610416	50	0.599	123.214	1.54	0.622	0.015	0.363
E	K	gi|15610416	91	0.565	116.22	-0.342	0.184	0.043	0.773
E	K	gi|15610417	105	0.548	112.682	-0.177	0.058	0.017	0.925
E	K	gi|15610419	214	0.324	66.606	-0.525	0.43	0.016	0.555
E	K	gi|15610419	186	0.476	97.954	-0.537	0.066	0.296	0.638
E	K	gi|15610421	149	0.546	112.209	0.043	0.058	0.017	0.925
E	K	gi|15610421	330	0.524	107.766	0.108	0.005	0.015	0.979
B	K	gi|15610421	14	0.173	35.648	1.16	0.268	0.505	0.227
E	K	gi|15610421	366	0.314	64.569	0.253	0.023	0.655	0.322
E	K	gi|15610438	29	0.73	150.099	0.828	0.43	0.016	0.555
B	K	gi|15610438	387	0.165	33.982	-0.824	0.6	0.003	0.397
E	K	gi|15610447	408	0.519	106.676	1.297	0.97	0.001	0.03
E	K	gi|15610454	476	0.433	88.965	1.823	0.97	0.001	0.03
E	K	gi|15610472	323	0.533	109.659	2.165	0.97	0.001	0.03
E	K	gi|15610472	191	0.367	75.554	-0.314	0.066	0.296	0.638
E	K	gi|15610475	27	0.421	86.538	1.991	0.988	0	0.012

E	K	gi|15610476	372	0.466	95.774	0.791	0.184	0.043	0.773
E	K	gi|15610492	20	0.364	74.978	2.212	0.988	0	0.012
E	K	gi|15610492	9	0.476	98.016	1.871	0.879	0.01	0.111
E	K	gi|15610492	59	0.601	123.667	1.015	0.802	0.014	0.185
E	K	gi|15610504	25	0.524	107.869	1.163	0.018	0.019	0.964
B	K	gi|15610525	242	0.223	45.789	-0.595	0.005	0.336	0.66
E	K	gi|15610525	113	0.413	84.975	0.301	0.005	0.262	0.733
E	K	gi|15610525	96	0.473	97.337	1.983	0.001	0.9	0.099
E	K	gi|15610525	109	0.386	79.318	0.755	0.004	0.42	0.576
E	K	gi|15610528	6	0.616	126.691	0.522	0.406	0.004	0.59
E	K	gi|15610532	418	0.638	131.237	0.519	0.802	0.014	0.185
E	K	gi|15610532	380	0.318	65.413	1.064	0.782	0.003	0.216
E	K	gi|15610537	136	0.318	65.413	1.865	0.001	0.959	0.04
E	K	gi|15610537	258	0.512	105.421	1.294	0.002	0.816	0.182
E	K	gi|15610546	31	0.623	128.048	-0.495	0.02	0.205	0.775
E	K	gi|15610553	140	0.483	99.312	0.769	0.858	0.002	0.139
E	K	gi|15610553	275	0.522	107.437	0.11	0.02	0.205	0.775
E	K	gi|15610553	41	0.367	75.492	0.748	0.022	0.359	0.619
E	K	gi|15610553	284	0.404	83.021	1.236	0.923	0.002	0.076
E	K	gi|15610553	423	0.42	86.291	1.233	0.97	0.001	0.03
E	K	gi|15610553	267	0.574	117.969	-0.418	0.502	0.002	0.495
E	K	gi|15610553	270	0.369	75.862	0.496	0.064	0.216	0.721
E	K	gi|15610553	121	0.353	72.55	1.828	0.988	0	0.012
E	K	gi|15610553	325	0.6	123.502	-0.487	0.018	0.088	0.893
B	K	gi|15610553	362	0.207	42.6	1.41	0.011	0.918	0.071
E	K	gi|15610553	388	0.497	102.233	1.445	0.97	0.001	0.03
E	K	gi|15610554	3	0.582	119.82	-0.169	0.018	0.088	0.893
E	K	gi|15610554	7	0.399	82.013	1.853	0.021	0.451	0.528
E	K	gi|15610554	100	0.803	165.28	1.298	0.005	0.015	0.979
E	K	gi|15610554	37	0.464	95.465	0.546	0.018	0.088	0.893
E	K	gi|15610554	35	0.564	115.933	0.267	0.052	0.084	0.864
E	K	gi|15610554	73	0.595	122.494	0.15	0.005	0.045	0.951
E	K	gi|15610554	80	0.588	121.054	1.571	0.001	0.959	0.04
E	K	gi|15610554	57	0.439	90.364	0.341	0.004	0.514	0.481
E	K	gi|15610568	446	0.791	162.77	1.539	0.502	0.002	0.495
E	K	gi|15610568	151	0.536	110.255	-1.358	0.053	0.043	0.903
E	K	gi|15610572	544	0.361	74.299	1.43	0.97	0.001	0.03
E	K	gi|15610578	121	0.699	143.764	0.606	0.782	0.003	0.216
E	K	gi|15610578	48	0.445	91.516	1.586	0.001	0.9	0.099
B	K	gi|15610578	70	0.149	30.67	0.688	0.923	0.002	0.076
E	K	gi|15610579	86	0.463	95.219	-0.148	0.021	0.279	0.699
B	K	gi|15610590	343	0.184	37.869	0.305	0.005	0.336	0.66
E	K	gi|15610593	213	0.399	82.115	1.264	0.97	0.001	0.03
E	K	gi|15610593	70	0.39	80.141	0.733	0.455	0.046	0.498
E	K	gi|15610593	173	0.339	69.835	-0.279	0.018	0.846	0.136
B	K	gi|15610593	177	0.246	50.684	0.749	0.001	0.959	0.04
E	K	gi|15610593	292	0.475	97.728	1.309	0.622	0.015	0.363
E	K	gi|15610593	265	0.466	95.836	1.301	0.717	0.014	0.269
E	K	gi|15610594	42	0.382	78.66	0.076	0.115	0.016	0.868
E	K	gi|15610594	80	0.339	69.753	-0.686	0.115	0.016	0.868
B	K	gi|15610595	91	0.239	49.142	1.391	0.001	0.959	0.04
E	K	gi|15610640	238	0.356	73.25	1.606	0.975	0.003	0.022
E	K	gi|15610646	209	0.528	108.568	-0.908	0.018	0.047	0.935
E	K	gi|15610646	214	0.388	79.77	0.513	0.923	0.002	0.076
B	K	gi|15610652	139	0.222	45.645	-0.256	0.199	0.152	0.649
E	K	gi|15610652	132	0.283	58.254	1.621	0.074	0.484	0.442
E	K	gi|15610655	206	0.561	115.377	0.415	0.43	0.016	0.555
E	K	gi|15610656	161	0.397	81.663	-0.386	0.021	0.279	0.699
E	K	gi|15610656	115	0.488	100.299	0.882	0.321	0.003	0.675
E	K	gi|15610656	158	0.468	96.35	-1.045	0.056	0.142	0.802
E	K	gi|15610671	172	0.43	88.451	0.988	0.923	0.002	0.076
E	K	gi|15610678	253	0.317	65.145	-1.362	0.018	0.019	0.964
E	K	gi|15610684	150	0.467	96.144	-0.824	0.113	0.043	0.844
E	K	gi|15610692	259	0.658	135.268	1.378	0.923	0.002	0.076
E	K	gi|15610692	325	0.576	118.504	-0.749	0.016	0.005	0.979
E	K	gi|15610692	167	0.328	67.531	0.027	0.923	0.002	0.076
E	K	gi|15610699	179	0.315	64.878	-0.114	0.858	0.002	0.139
E	K	gi|15610704	25	0.564	115.912	0.407	0.802	0.014	0.185
E	K	gi|15610704	33	0.591	121.507	0.081	0.023	0.655	0.322
E	K	gi|15610704	237	0.743	152.876	0.243	0.003	0.003	0.994
E	K	gi|15610704	89	0.364	74.916	0.099	0.002	0.816	0.182
E	K	gi|15610705	160	0.467	96.041	0.175	0.782	0.003	0.216
B	K	gi|15610705	97	0.188	38.692	1.609	0.97	0.001	0.03
E	K	gi|15610706	272	0.311	64.055	0.634	0.354	0.048	0.598
B	K	gi|15610706	274	0.168	34.66	-0.387	0.455	0.046	0.498
E	K	gi|15610706	211	0.512	105.277	-0.46	0.052	0.084	0.864
E	K	gi|15610706	198	0.369	75.862	0.881	0.004	0.616	0.381
E	K	gi|15610717	108	0.464	95.363	0.105	0.058	0.017	0.925
E	K	gi|15610719	90	0.592	121.774	1.351	0.97	0.001	0.03
E	K	gi|15610728	21	0.648	133.376	1.688	0.97	0.001	0.03
E	K	gi|15610733	49	0.394	81.108	1.164	0.858	0.002	0.139
E	K	gi|15610734	382	0.568	116.796	-0.805	0.184	0.043	0.773
E	K	gi|15610736	25	0.49	100.834	0.287	0.066	0.296	0.638
E	K	gi|15610736	106	0.552	113.608	0.39	0.257	0.016	0.727
E	K	gi|15610745	128	0.428	87.957	-0.146	0.502	0.002	0.495
B	K	gi|15610745	118	0.243	50.006	-0.08	0.6	0.003	0.397
E	K	gi|15610764	136	0.345	70.925	1.384	0.023	0.655	0.322
E	K	gi|15610764	127	0.284	58.439	0.628	0.354	0.048	0.598
E	K	gi|15610764	91	0.256	52.556	0.858	0.004	0.514	0.481
B	K	gi|15610764	16	0.172	35.339	0.616	0.023	0.655	0.322
B	K	gi|15610764	120	0.24	49.286	1.535	0.988	0	0.012
E	K	gi|15610782	542	0.516	106.223	1.387	0.923	0.002	0.076
E	K	gi|15610782	189	0.39	80.285	-0.85	0.018	0.047	0.935
E	K	gi|15610784	57	0.65	133.623	0.395	0.018	0.019	0.964
E	K	gi|15610803	193	0.492	101.143	-0.105	0.113	0.087	0.8
E	K	gi|15610803	366	0.599	123.255	0.902	0.694	0.003	0.303
E	K	gi|15610805	157	0.478	98.304	0.356	0.113	0.043	0.844
E	K	gi|15610812	193	0.387	79.668	1.222	0.97	0.001	0.03
E	K	gi|15610812	209	0.429	88.328	0.463	0.005	0.045	0.951
E	K	gi|15610814	63	0.294	60.558	1.408	0.97	0.001	0.03
E	K	gi|15610814	46	0.545	112.148	-1.069	0.018	0.088	0.893

E	K	gi|15610835	221	0.306	62.924	1.053	0.622	0.015	0.363
B	K	gi|15610852	43	0.218	44.863	2.228	0	0.983	0.017
E	K	gi|15610862	10	0.659	135.618	1.583	0.005	0.045	0.951
B	K	gi|15610870	149	0.208	42.827	0.642	0.97	0.001	0.03
B	K	gi|15610870	251	0.15	30.814	-0.331	0.858	0.002	0.139
E	K	gi|15610891	171	0.277	56.917	1.139	0.018	0.846	0.136
E	K	gi|15610897	159	0.428	88.101	-0.684	0.115	0.016	0.868
E	K	gi|15610910	179	0.448	92.133	0.493	0.018	0.047	0.935
E	K	gi|15610910	101	0.415	85.304	1.071	0.97	0.001	0.03
E	K	gi|15610910	142	0.297	61.093	1.58	0.148	0.418	0.435
E	K	gi|15610913	319	0.587	120.828	0.291	0.018	0.019	0.964
B	K	gi|15610913	176	0.09	18.554	0.185	0.923	0.002	0.076
E	K	gi|15610926	418	0.344	70.781	-1.33	0.113	0.087	0.8
E	K	gi|15610927	56	0.469	96.391	1.575	0.923	0.002	0.076
E	K	gi|15610933	506	0.642	132.142	-0.185	0.246	0.004	0.75
E	K	gi|15610936	1468	0.437	89.85	-0.129	0.018	0.047	0.935
E	K	gi|15610936	687	0.585	120.355	1.208	0.923	0.002	0.076
E	K	gi|15610936	550	0.553	113.834	-1.112	0.181	0.016	0.803
E	K	gi|15610936	181	0.523	107.519	0.241	0.052	0.084	0.864
E	K	gi|15610936	1065	0.477	98.078	0.083	0.056	0.142	0.802
E	K	gi|15610936	1018	0.403	82.856	-1.413	0.018	0.019	0.964
E	K	gi|15610936	1412	0.341	70.185	0.783	0.923	0.002	0.076
E	K	gi|15610936	1551	0.347	71.398	0.789	0.018	0.019	0.964
E	K	gi|15610936	506	0.324	66.688	1.339	0.002	0.816	0.182
E	K	gi|15610936	33	0.58	119.347	1.361	0.97	0.001	0.03
E	K	gi|15610936	947	0.498	102.459	-0.949	0.113	0.043	0.844
E	K	gi|15610937	35	0.412	84.687	1.674	0.97	0.001	0.03
E	K	gi|15610937	492	0.452	92.915	0.178	0.113	0.087	0.8
B	K	gi|15610937	43	0.218	44.822	1.152	0.004	0.138	0.858
E	K	gi|15610945	354	0.254	52.33	0.349	0.005	0.015	0.979
B	K	gi|15610950	130	0.186	38.342	0.01	0.339	0.016	0.645
E	K	gi|15610955	30	0.438	90.097	0.427	0.021	0.451	0.528
E	K	gi|15610961	385	0.348	71.522	0.607	0.6	0.003	0.397
E	K	gi|15610974	306	0.512	105.216	0.018	0.018	0.047	0.935
E	K	gi|15610982	31	0.441	90.755	0.95	0.782	0.003	0.216
E	K	gi|15610982	38	0.468	96.35	1.436	0.97	0.001	0.03
E	K	gi|15610982	53	0.496	101.986	-0.271	0.181	0.016	0.803
E	K	gi|15610982	46	0.556	114.328	0.545	0.6	0.003	0.397
E	K	gi|15610982	90	0.531	109.288	-0.928	0.005	0.015	0.979
E	K	gi|15610982	108	0.452	92.935	2.135	0.97	0.001	0.03
B	K	gi|15610982	174	0.183	37.725	0.535	0.782	0.003	0.216
E	K	gi|15610982	179	0.531	109.247	1.668	0.988	0	0.012
E	K	gi|15610985	83	0.418	85.983	1.4	0.858	0.002	0.139
E	K	gi|15610985	116	0.274	56.382	1.756	0.97	0.001	0.03
E	K	gi|15610985	71	0.356	73.229	1.074	0.005	0.015	0.979
E	K	gi|15610986	33	0.535	110.111	0.678	0.6	0.003	0.397
E	K	gi|15610988	58	0.48	98.777	-0.36	0.115	0.016	0.868
E	K	gi|15610994	9	0.597	122.7	0.234	0.056	0.142	0.802
E	K	gi|15610994	419	0.491	101.019	0.944	0.023	0.655	0.322
E	K	gi|15610995	728	0.321	66.112	1.34	0.923	0.002	0.076
B	K	gi|15610995	732	0.224	46.118	1.103	0.97	0.001	0.03
E	K	gi|15610995	863	0.336	69.197	0.198	0.148	0.418	0.435
E	K	gi|15610995	926	0.443	91.228	-1.015	0.278	0.093	0.628
E	K	gi|15610995	839	0.669	137.593	0.925	0.97	0.001	0.03
E	K	gi|15611000	118	0.309	63.664	0.111	0.701	0.107	0.192
E	K	gi|15611016	67	0.447	92.03	0.452	0.858	0.002	0.139
E	K	gi|15611017	259	0.569	116.94	1.1	0.97	0.001	0.03
E	K	gi|15611017	267	0.632	129.961	-2.118	0.016	0.005	0.979
E	K	gi|15611017	134	0.377	77.631	1.088	0.923	0.002	0.076
B	K	gi|15611050	62	0.192	39.412	0.673	0.001	0.959	0.04
E	K	gi|15611050	101	0.396	81.457	1.26	0.923	0.002	0.076
E	K	gi|15611050	6	0.658	135.309	0.5	0.058	0.017	0.925
E	K	gi|161352467	1087	0.607	124.778	0.425	0.354	0.048	0.598
E	K	gi|161352467	1093	0.46	94.622	0.905	0.019	0.141	0.84
E	K	gi|161352467	116	0.507	104.228	1.429	0.97	0.001	0.03
E	K	gi|161352467	156	0.344	70.74	0.869	0.021	0.279	0.699
E	K	gi|161352467	1080	0.491	100.999	0.245	0.184	0.043	0.773
E	K	gi|161352467	475	0.62	127.596	0.479	0.018	0.019	0.964
E	K	gi|161352467	482	0.271	55.765	1.814	0.97	0.001	0.03
E	K	gi|161352467	187	0.439	90.343	0.043	0.004	0.138	0.858
E	K	gi|161352467	207	0.576	118.483	-2.373	0.018	0.019	0.964
E	K	gi|161352467	306	0.352	72.345	-0.305	0.023	0.655	0.322
E	K	gi|161352467	150	0.545	112.065	0.48	0.694	0.003	0.303
E	K	gi|161352467	776	0.612	125.888	1.264	0.97	0.001	0.03
E	K	gi|161352467	1200	0.317	65.31	0.975	0.001	0.9	0.099
E	K	gi|161352467	472	0.461	94.807	-0.587	0.246	0.004	0.75
E	K	gi|161352467	870	0.524	107.766	1.647	0.97	0.001	0.03
E	K	gi|345462027	442	0.357	73.517	1.029	0.97	0.001	0.03
B	K	gi|345462027	434	0.241	49.512	0.303	0.858	0.002	0.139
E	K	gi|448816588	539	0.417	85.797	-0.064	0.43	0.016	0.555
E	K	gi|448824735	596	0.695	142.9	0.653	0.694	0.003	0.303
E	K	gi|448824735	484	0.318	65.371	-0.043	0.022	0.359	0.619
E	K	gi|448824735	603	0.601	123.667	-0.554	0.113	0.043	0.844
E	K	gi|448824735	600	0.566	116.447	0.22	0.199	0.152	0.649
E	K	gi|448824735	452	0.463	95.198	0.908	0.019	0.141	0.84
E	K	gi|448824735	381	0.345	70.925	0.154	0.717	0.014	0.269
E	K	gi|448824735	386	0.46	94.663	0.595	0.923	0.002	0.076
E	K	gi|448824735	404	0.428	87.937	1.653	0.97	0.001	0.03
E	K	gi|448824735	498	0.489	100.505	0.22	0.694	0.003	0.303
B	K	gi|448824753	80	0.148	30.382	0.973	0.97	0.001	0.03
B	K	gi|448824753	166	0.148	30.361	1.107	0.005	0.336	0.66
B	K	gi|448824753	272	0.218	44.904	0.231	0.97	0.001	0.03
E	K	gi|448824753	245	0.529	108.774	0.978	0.938	0.007	0.055
B	K	gi|448824753	240	0.189	38.836	0.407	0.004	0.197	0.799
E	K	gi|448824754	57	0.513	105.483	0.387	0.782	0.003	0.216
E	K	gi|448824757	30	0.485	99.662	1.469	0.923	0.002	0.076
B	K	gi|448824761	31	0.195	40.111	1.598	0.97	0.001	0.03
E	K	gi|448824762	157	0.531	109.144	0.421	0.782	0.003	0.216
B	K	gi|448824769	153	0.211	43.423	0.517	0.694	0.003	0.303
E	K	gi|448824769	45	0.609	125.271	1.367	0.858	0.002	0.139
E	K	gi|448824781	381	0.425	87.361	-1.372	0.246	0.004	0.75

E	K	gi|448824781	490	0.406	83.576	-0.455	0.522	0.016	0.462
B	K	gi|448824781	514	0.203	41.86	-0.107	0.406	0.004	0.59
E	K	gi|448824781	412	0.397	81.745	-0.834	0.053	0.043	0.903
E	K	gi|448824781	475	0.528	108.692	-0.519	0.268	0.043	0.689
B	K	gi|448824781	508	0.211	43.444	0.466	0.988	0	0.012
E	K	gi|448824781	393	0.287	58.995	0.271	0.021	0.451	0.528
E	K	gi|448824785	105	0.409	84.111	-0.995	0.018	0.088	0.893
E	K	gi|448824785	418	0.582	119.738	0.835	0.923	0.002	0.076
E	K	gi|448824790	41	0.257	52.783	1.513	0.97	0.001	0.03
E	K	gi|448824790	22	0.401	82.568	-0.338	0.113	0.043	0.844
E	K	gi|448824790	167	0.58	119.368	1.273	0.858	0.002	0.139
E	K	gi|448824795	171	0.332	68.272	0.608	0.018	0.846	0.136
B	K	gi|448824795	42	0.184	37.808	0.232	0.019	0.141	0.84
B	K	gi|448824796	178	0.236	48.545	-0.066	0.268	0.505	0.227
E	K	gi|448824796	287	0.418	86.065	1.53	0.97	0.001	0.03
E	K	gi|448824796	297	0.582	119.656	0.402	0.858	0.002	0.139
E	K	gi|448824796	167	0.287	58.974	0.326	0.879	0.01	0.111
B	K	gi|448824796	16	0.247	50.87	1.524	0.004	0.514	0.481
E	K	gi|448824796	142	0.468	96.35	-0.045	0.018	0.019	0.964
E	K	gi|448824796	316	0.486	99.908	2.021	0.988	0	0.012
E	K	gi|448824796	53	0.393	80.881	1.965	0.97	0.001	0.03
E	K	gi|448824796	45	0.335	69.012	0.705	0.004	0.42	0.576
E	K	gi|448824797	19	0.476	98.016	0.292	0.053	0.005	0.942
E	K	gi|448824799	90	0.743	152.897	-1.419	0.003	0.003	0.994
B	K	gi|448824809	110	0.124	25.486	0.861	0.97	0.001	0.03
B	K	gi|448824818	403	0.142	29.168	1.135	0.004	0.514	0.481
E	K	gi|448824818	227	0.543	111.798	1.834	0.97	0.001	0.03
E	K	gi|57116682	139	0.703	144.587	0.444	0.052	0.084	0.864
E	K	gi|57116686	19	0.402	82.671	0.292	0.004	0.085	0.91
E	K	gi|57116686	25	0.575	118.195	0.364	0.018	0.047	0.935
E	K	gi|57116686	26	0.691	142.159	0.605	0.018	0.019	0.964
E	K	gi|57116686	13	0.534	109.782	-0.694	0.058	0.017	0.925
E	K	gi|57116686	16	0.455	93.655	-0.575	0.018	0.019	0.964
B	K	gi|57116704	140	0.19	39.145	0.528	0.97	0.001	0.03
E	K	gi|57116704	372	0.577	118.709	1.921	0.97	0.001	0.03
E	K	gi|57116724	234	0.69	141.995	-1.16	0.018	0.047	0.935
E	K	gi|57116727	58	0.3	61.772	1.257	0.001	0.959	0.04
E	K	gi|57116727	64	0.359	73.887	1.106	0.001	0.959	0.04
E	K	gi|57116727	5	0.314	64.508	0.81	0.011	0.918	0.071
B	K	gi|57116727	52	0.208	42.724	0.105	0.001	0.9	0.099
E	K	gi|57116734	334	0.525	107.951	1.303	0.97	0.001	0.03
E	K	gi|57116734	322	0.419	86.271	-0.64	0.181	0.016	0.803
E	K	gi|57116735	223	0.443	91.125	0.613	0.011	0.918	0.071
E	K	gi|57116735	108	0.763	156.97	0.847	0.782	0.003	0.216
E	K	gi|57116739	101	0.238	49.039	1.11	0.923	0.002	0.076
E	K	gi|57116739	176	0.396	81.395	1.371	0.005	0.015	0.979
E	K	gi|57116747	343	0.595	122.392	1.488	0.858	0.002	0.139
E	K	gi|57116747	514	0.35	72.057	1.065	0.858	0.002	0.139
E	K	gi|57116747	304	0.28	57.534	0.06	0.074	0.484	0.442
E	K	gi|57116764	47	0.53	109.103	1.091	0.056	0.142	0.802
E	K	gi|57116764	19	0.522	107.437	-0.312	0.056	0.142	0.802
E	K	gi|57116767	181	0.481	98.942	1.17	0.176	0.004	0.82
E	K	gi|57116768	4	0.626	128.85	0.546	0.694	0.003	0.303
E	K	gi|57116768	482	0.607	124.86	0.485	0.005	0.045	0.951
E	K	gi|57116768	504	0.499	102.603	-0.609	0.074	0.484	0.442
E	K	gi|57116768	359	0.419	86.168	0.698	0.021	0.756	0.223
E	K	gi|57116768	218	0.306	63.006	0.337	0.938	0.007	0.055
E	K	gi|57116779	362	0.513	105.462	1.022	0.005	0.045	0.951
E	K	gi|57116779	332	0.5	102.809	0.471	0.923	0.002	0.076
E	K	gi|57116784	143	0.304	62.512	-0.153	0.004	0.42	0.576
E	K	gi|57116786	284	0.43	88.554	1.831	0.97	0.001	0.03
E	K	gi|57116786	30	0.582	119.779	0.447	0.113	0.043	0.844
E	K	gi|57116786	20	0.601	123.687	0.938	0.858	0.002	0.139
E	K	gi|57116786	179	0.604	124.263	1.593	0.923	0.002	0.076
E	K	gi|57116786	4	0.575	118.236	1.115	0.053	0.005	0.942
E	K	gi|57116786	131	0.518	106.573	1.38	0.97	0.001	0.03
E	K	gi|57116786	328	0.462	95.095	-0.248	0.216	0.235	0.548
E	K	gi|57116800	190	0.415	85.263	-1.61	0.053	0.005	0.942
E	K	gi|57116808	56	0.751	154.522	0.528	0.053	0.043	0.903
E	K	gi|57116810	337	0.343	70.473	0.095	0.005	0.015	0.979
E	K	gi|57116820	401	0.497	102.171	0.593	0.115	0.016	0.868
E	K	gi|57116820	97	0.627	128.933	-0.31	0.016	0.005	0.979
B	K	gi|57116820	102	0.117	24.005	1.021	0.97	0.001	0.03
E	K	gi|57116820	428	0.509	104.742	1.634	0.923	0.002	0.076
E	K	gi|57116829	53	0.623	128.213	1.111	0.694	0.003	0.303
E	K	gi|57116832	218	0.404	83.041	-0.644	0.199	0.152	0.649
E	K	gi|57116835	31	0.446	91.763	1.484	0.001	0.959	0.04
E	K	gi|57116856	138	0.303	62.286	2.227	0.97	0.001	0.03
E	K	gi|57116903	65	0.784	161.269	0.794	0.109	0.005	0.886
E	K	gi|57116903	352	0.439	90.385	2.027	0.002	0.816	0.182
E	K	gi|57116903	298	0.475	97.707	1.184	0.354	0.048	0.598
E	K	gi|57116903	19	0.471	96.782	0.959	0.022	0.552	0.426
E	K	gi|57116956	24	0.467	96.041	0.093	0.339	0.016	0.645
E	K	gi|57116972	134	0.705	144.957	1.693	0.923	0.002	0.076
E	K	gi|57116987	332	0.304	62.533	1.516	0.001	0.959	0.04
B	K	gi|57116987	234	0.254	52.31	-0.407	0.005	0.336	0.66
E	K	gi|57116987	378	0.398	81.869	0.076	0.005	0.045	0.951
B	K	gi|57116990	635	0.199	40.934	0.454	0.428	0.171	0.402
E	K	gi|57116990	414	0.468	96.247	2.227	0.97	0.001	0.03
E	K	gi|57116993	26	0.581	119.491	1.823	0.858	0.002	0.139
B	K	gi|57116994	781	0.246	50.602	0.906	0.97	0.001	0.03
B	K	gi|57116994	530	0.188	38.713	-0.976	0.005	0.336	0.66
E	K	gi|57116994	243	0.714	146.89	1.099	0.923	0.002	0.076
E	K	gi|57117015	188	0.687	141.295	-0.329	0.018	0.088	0.893
E	K	gi|57117016	167	0.367	75.533	-0.025	0.135	0.317	0.548
B	K	gi|57117019	147	0.197	40.523	0.295	0.97	0.001	0.03
E	K	gi|57117019	71	0.58	119.327	1.942	0.923	0.002	0.076
E	K	gi|57117031	175	0.307	63.191	1.515	0.502	0.002	0.495
E	K	gi|57117031	66	0.637	131.093	1.591	0.923	0.002	0.076
E	K	gi|57117036	203	0.633	130.126	1.769	0.923	0.002	0.076
E	K	gi|57117037	59	0.465	95.753	2.523	0.97	0.001	0.03

E	K	gi|57117041	443	0.534	109.782	-0.178	0.018	0.019	0.964
E	K	gi|57117041	396	0.653	134.384	-0.35	0.858	0.002	0.139
B	K	gi|57117041	243	0.232	47.64	-0.103	0.453	0.248	0.299
B	K	gi|57117042	205	0.251	51.651	-0.702	0.018	0.019	0.964
E	K	gi|57117042	220	0.455	93.532	1.736	0.694	0.003	0.303
E	K	gi|57117042	401	0.456	93.758	0.983	0.001	0.9	0.099
E	K	gi|57117042	11	0.591	121.548	0.959	0.005	0.015	0.979
E	K	gi|57117044	233	0.579	119.059	2.137	0.97	0.001	0.03
E	K	gi|57117044	218	0.551	113.423	-0.921	0.115	0.016	0.868
E	K	gi|57117044	13	0.421	86.682	-0.435	0.053	0.043	0.903
E	K	gi|57117051	23	0.37	76.212	0.851	0.858	0.002	0.139
E	K	gi|57117069	33	0.598	123.07	0.769	0.694	0.003	0.303
E	K	gi|57117073	4	0.354	72.715	1.047	0.001	0.9	0.099
E	K	gi|57117081	15	0.504	103.693	0.156	0.052	0.084	0.864
E	K	gi|57117086	54	0.388	79.873	0.623	0.001	0.959	0.04
E	K	gi|57117125	236	0.497	102.192	1.7	0.001	0.959	0.04
E	K	gi|57117128	82	0.253	51.96	0.897	0.97	0.001	0.03
E	K	gi|57117128	78	0.408	84.028	1.288	0.923	0.002	0.076
E	K	gi|57117131	761	0.629	129.282	1.765	0.97	0.001	0.03
E	K	gi|57117131	126	0.635	130.681	0.536	0.858	0.002	0.139
E	K	gi|57117131	195	0.58	119.347	1.275	0.923	0.002	0.076
E	K	gi|57117131	86	0.467	96.144	2.113	0.988	0	0.012
E	K	gi|57117131	274	0.543	111.777	1.811	0.97	0.001	0.03
E	K	gi|57117131	743	0.561	115.418	0.88	0.858	0.002	0.139
E	K	gi|57117131	702	0.527	108.322	0.455	0.858	0.002	0.139
E	K	gi|57117137	244	0.536	110.193	-0.07	0.018	0.019	0.964
E	K	gi|57117137	276	0.416	85.653	0.834	0.386	0.097	0.517
E	K	gi|57117147	38	0.284	58.419	0.281	0.005	0.015	0.979
E	K	gi|57117147	384	0.668	137.366	-0.931	0.018	0.047	0.935
E	K	gi|57117147	337	0.415	85.407	-1.451	0.005	0.045	0.951
E	K	gi|57117147	242	0.506	104.043	-0.982	0.522	0.016	0.462
E	K	gi|57117168	325	0.58	119.388	0.837	0.923	0.002	0.076
B	K	gi|57117168	266	0.25	51.322	-0.161	0.561	0.047	0.393