Supplemental Data 1

Phage T6	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	3.7449	4.81E-38	X	
	BW25113_0411	tsx	3.0915	1.56E-29	X	X
	BW25113_4036	lamB	1.8362	1.43E-15	X	X
	BW25113_0164	yaeI	1.6240	6.99E-14	X	
	BW25113_0114	aceE	1.6085	1.62E-13	X	
	BW25113_0408	secD	1.7466	2.24E-11	X	
	BW25113_3966	btuB	1.9351	8.29E-11	X	X
	BW25113_0814	ompX	0.9020	1.24E-08	X	X
	BW25113_1806	yeaY	1.8471	5.37E-08	X	
	BW25113_2179	yejE	0.7911	5.98E-08	X	
	BW25113_1218	chaC	0.7291	1.36E-07	X	
	BW25113_0751	pnuC	0.7372	1.97E-07	X	
	BW25113_0075	leuL	0.6228	5.73E-07	X	
	BW25113_1320	ycjW	0.5993	8.56E-07	X	
	BW25113_3999	yjaG	0.5956	9.29E-07	X	
	BW25113_0115	aceF	1.0214	1.16E-06	X	
	BW25113_2365	dsdX	0.5478	1.30E-06	X	
	BW25113_0497	rhsD	0.5536	1.46E-06	X	X
	BW25113_4352	yjiA	0.5339	1.46E-06	X	
	BW25113_3894	fdoG	0.4879	3.02E-06	X	
	BW25113_1440	ydcS	0.8120	4.07E-06	X	
	BW25113_3929	rraA	0.8815	4.42E-06	X	
	BW25113_0269	yagF	0.4553	4.42E-06	X	
	BW25113_0099	mutT	0.4589	6.05E-06	X	
	BW25113_1642	slyA	0.3998	6.84E-06	X	
	BW25113_3192	mlaC	0.3761	1.34E-05	X	
	BW25113_0569	nfrB	0.3393	1.42E-05	X	
	BW25113_2149	mglA	0.3519	1.51E-05	X	
	BW25113_3868	glnG	0.3243	1.58E-05	X	
	BW25113_4476	gntU	0.3225	1.58E-05	X	
	BW25113_0718	ybgQ	0.3578	1.71E-05	X	X
	BW25113_2532	trmJ	0.2829	2.64E-05	X	
	BW25113_4219	msrA	0.3386	2.70E-05	X	
	BW25113_2927	epd	0.2858	3.61E-05	X	
	BW25113_1583	ynfB	0.2216	5.16E-05	X	X
	BW25113_2479	gcvR	0.2223	5.16E-05	X	
	BW25113_4392	slt	0.2053	6.14E-05	X	
	BW25113_3585	yiaU	1.1714	7.80E-05	X	
	BW25113_2539	hcaF	0.1582	9.61E-05	X	
	BW25113_2580	ung	0.1674	1.08E-04	X	
	BW25113_1381	ydbH	0.3430	1.20E-04	X	

BW25113_1680	sufS	0.1668	1.50E-04	X	
BW25113_4123	dcuB	0.1370	1.50E-04	X	
BW25113_1256	ompW	1.0756	1.59E-04	X	X
BW25113_1023	pgaB	0.6831	2.94E-04	X	X
BW25113_1865	nudB	0.3109	3.02E-04	X	
BW25113_2063	yegH	0.5323	4.39E-04	X	
BW25113_3213	gltD	0.4951	4.39E-04	X	
BW25113_2811	csdE	0.0000	4.39E-04		
BW25113_1116	lolC	0.0000	4.39E-04		
BW25113_2533	suhB	0.0000	4.39E-04		
BW25113_0627	tatE	0.0000	4.39E-04		
BW25113_4672	ymiB	0.0000	4.39E-04		
BW25113_1599	mdtI	0.0047	5.13E-04	X	
BW25113_0215	dnaQ	0.2074	5.17E-04	X	
BW25113_1048	opgG	0.1755	5.79E-04	X	
BW25113_0151	fhuC	0.3155	6.92E-04	X	
BW25113_4199	yjfY	-0.0525	7.17E-04		
BW25113_2882	xanQ	-0.0334	7.35E-04		
BW25113_3548	yhjY	-0.0428	7.94E-04		
BW25113_0805	fiu	-0.0611	8.13E-04		X
BW25113_3994	thiC	-0.0541	9.44E-04		
BW25113_3447	ggt	-0.0838	9.77E-04		
BW25113_0691	ybfG	0.6297	9.98E-04	X	
BW25113_0494	tesA	-0.0848	1.04E-03		
BW25113_4029	yjbH	-0.1011	1.05E-03		X
BW25113_0067	thiP	-0.0861	1.05E-03		
BW25113_0064	araC	0.6255	1.30E-03	X	
BW25113_0076	leuO	-0.0444	1.64E-03		
BW25113_0591	entS	0.0392	1.70E-03	X	
BW25113_0703	rhsO	0.1239	1.71E-03	X	
BW25113_2386	fryC	-0.1206	1.71E-03		
BW25113_4409	blr	-0.1507	1.80E-03		
BW25113_0431	cyoB	0.4255	2.01E-03	X	
BW25113_3387	dam	0.3580	2.24E-03	X	
BW25113_0108	ppdD	-0.1984	2.80E-03		
BW25113_4396	rob	-0.1795	4.13E-03		
BW25113_2131	osmF	-0.1925	4.13E-03		
BW25113_3194	mlaE	-0.2561	4.37E-03		
BW25113_3957	argE	-0.1127	4.38E-03		
BW25113_0945	pyrD	-0.1850	5.54E-03		
BW25113_4470	yhaM	-0.3005	6.81E-03		
BW25113_1561	rem	0.2394	6.84E-03	X	
BW25113_1794	yeaP	-0.3092	7.90E-03		
BW25113_0162	cdaR	-0.2685	9.16E-03		
BW25113_0078	ilvH	-0.3501	9.59E-03		

BW25113_4216	ytfJ	-0.3561	1.02E-02
BW25113_1378	pfo	-0.3476	1.04E-02
BW25113_0897	ycaC	-0.2023	1.09E-02
BW25113_2195	dsbE	-0.2687	1.23E-02
BW25113_4391	yjjK	-0.3460	1.23E-02
BW25113_0290	ecpD	-0.3757	1.23E-02
BW25113_3407	yhgF	-0.3830	1.33E-02
BW25113_0563	tfaX	-0.3515	1.34E-02
BW25113_4131	cadA	-0.3543	1.34E-02
BW25113_1751	ydjY	-0.3130	1.36E-02
BW25113_1614	ydgA	-0.3889	1.50E-02
BW25113_2600	tyrA	-0.3230	1.59E-02
BW25113_0700	rhsC	-0.4220	1.69E-02
BW25113_3328	gspG	-0.4308	1.78E-02
BW25113_2022	hisB	-0.0042	1.82E-02
BW25113_2837	galR	-0.0089	1.87E-02
BW25113_0715	abrB	-0.1864	1.90E-02
BW25113_2549	yphG	-0.4601	2.11E-02
BW25113_1580	rspB	-0.4179	2.12E-02
BW25113_2521	sseA	-0.3705	2.13E-02
BW25113_1390	paaC	-0.4633	2.13E-02
BW25113_0593	entC	-0.4763	2.21E-02
BW25113_2526	hscA	-0.4763	2.21E-02
BW25113_0639	nadD	-0.4763	2.21E-02
BW25113_0416	nusB	-0.4763	2.21E-02
BW25113_3725	pstB	-0.4763	2.21E-02
BW25113_3344	tusC	-0.4763	2.21E-02
BW25113_1056	yceI	-0.4763	2.21E-02
BW25113_0628	lipA	-0.4955	2.55E-02
BW25113_2232	ubiG	-0.4955	2.55E-02
BW25113_3514	mdtF	-0.4673	2.87E-02
BW25113_3225	nanA	-0.4999	2.95E-02
BW25113_0788	ybhN	-0.5071	3.06E-02
BW25113_3930	menA	-0.5187	3.31E-02
BW25113_3384	trpS	-0.4175	3.37E-02
BW25113_4400	creD	-0.4494	3.46E-02
BW25113_3833	ubiE	-0.5432	3.52E-02
BW25113_4527	ydaF	-0.5432	3.52E-02
BW25113_2643	yfjX	-0.5432	3.52E-02
BW25113_0341	cynX	-0.5461	3.81E-02
BW25113_2241	glpA	-0.5585	4.02E-02
BW25113_1643	ydhI	-0.5637	4.02E-02
BW25113_2376	ypdI	-0.5637	4.02E-02
BW25113_1681	sufD	-0.5678	4.11E-02
BW25113_2818	argA	-0.5679	4.11E-02

BW25113_0150	fhuA	-0.3899	4.12E-02		X
BW25113_1327	ycjY	-0.5620	4.13E-02		
BW25113_0261	mmuM	-0.5353	4.17E-02		
BW25113_3232	yhcM	0.2064	4.19E-02	X	
BW25113_0491	fetB	-0.4944	4.42E-02		
BW25113_0272	yagI	-3.0468	4.45E-02		
BW25113_2674	nrdI	-0.0082	4.58E-02		
BW25113_3266	acrF	-0.5541	4.85E-02		
BW25113_1163	bluF	-0.6012	4.85E-02		
BW25113_2459	eutT	-0.6012	4.85E-02		
BW25113_4093	phnO	-0.6012	4.85E-02		
BW25113_3345	tusD	-0.6012	4.85E-02		
BW25113_4374	yjjG	-0.6012	4.85E-02		

Phage T2	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	4.1822	3.37E-39	X	
	BW25113_2344	fadL	2.5999	3.33E-19	X	X
	BW25113_0164	yaeI	2.3422	2.79E-17	X	
	BW25113_3620	waaF	1.9952	2.05E-13	X	
	BW25113_0215	dnaQ	1.5790	6.35E-10	X	
	BW25113_1642	slyA	1.2026	1.30E-07	X	
	BW25113_0929	ompF	2.5299	1.80E-07	X	X
	BW25113_2179	yejE	1.0909	2.19E-07	X	
	BW25113_1270	btuR	1.0869	3.12E-07	X	
	BW25113_1680	sufS	1.0476	3.45E-07	X	
	BW25113_0497	rhsD	1.0020	6.92E-07	X	X
	BW25113_4476	gntU	0.9857	7.35E-07	X	
	BW25113_1448	mnaT	1.2574	3.31E-06	X	
	BW25113_0075	leuL	0.8790	4.20E-06	X	
	BW25113_3087	ygjR	0.9059	4.40E-06	X	
	BW25113_4392	slt	0.7495	2.01E-05	X	
	BW25113_4199	yjfY	0.6693	4.08E-05	X	
	BW25113_2025	hisF	0.7509	4.23E-05	X	
	BW25113_2927	epd	0.6258	1.13E-04	X	
	BW25113_3429	glgA	0.5888	1.17E-04	X	
	BW25113_0162	cdaR	0.5530	1.49E-04	X	
	BW25113_2149	mglA	0.5236	1.83E-04	X	
	BW25113_1583	ynfB	0.5027	2.34E-04	X	X
	BW25113_4085	alsE	0.5146	2.34E-04	X	
	BW25113_1815	yoaD	0.4976	2.99E-04	X	
	BW25113_0569	nfrB	0.4715	3.15E-04	X	
	BW25113_4409	blr	0.4419	4.20E-04	X	
	BW25113_0341	cynX	0.4277	5.17E-04	X	

BW25113_4520	ymgF	0.4192	6.01E-04	X	
BW25113_3621	waaC	0.6365	6.35E-04	X	
BW25113_3083	higB	0.4819	6.39E-04	X	
BW25113_0076	leuO	0.3446	1.07E-03	X	
BW25113_1599	mdtI	0.3335	1.48E-03	X	
BW25113_1758	ynjF	0.3333	1.48E-03	X	
BW25113_2114	metG	0.2962	1.54E-03	X	
BW25113_0562	ybcY	0.8159	1.84E-03	X	
BW25113_2818	argA	0.4360	2.63E-03	X	
BW25113_2407	xapA	0.2550	2.64E-03	X	
BW25113_0099	mutT	0.2381	2.87E-03	X	
BW25113_0222	gmhA	0.2510	2.92E-03	X	
BW25113_3101	yqjF	0.2647	3.04E-03	X	
BW25113_1611	fumC	0.2893	3.45E-03	X	
BW25113_0108	ppdD	0.1889	3.89E-03	X	
BW25113_1373	tfaR	0.5611	3.90E-03	X	
BW25113_1724	ydiZ	0.2492	4.27E-03	X	
BW25113_1865	nudB	0.1740	4.52E-03	X	
BW25113_0288	ykgJ	0.1682	4.52E-03	X	
BW25113_0410	yajD	0.1822	4.61E-03	X	
BW25113_0805	fiu	0.1767	4.84E-03	X	X
BW25113_2429	murP	0.1526	5.16E-03	X	
BW25113_0101	yacG	0.1907	5.22E-03	X	
BW25113_0343	lacY	0.1340	5.89E-03	X	
BW25113_3631	waaG	0.1243	6.16E-03	X	
BW25113_0778	bioD	0.1422	6.36E-03	X	
BW25113_2231	gyrA	0.1422	6.36E-03	X	
BW25113_1378	pfo	0.1318	6.36E-03	X	
BW25113_2260	menE	0.1128	6.48E-03	X	
BW25113_0504	allS	0.1291	6.67E-03	X	
BW25113_1056	yceI	0.8230	6.98E-03	X	
BW25113_2937	speB	0.1160	6.98E-03	X	
BW25113_1423	ydcJ	0.1173	7.02E-03	X	
BW25113_1681	sufD	0.0946	8.56E-03	X	
BW25113_1733	chbG	0.0422	1.11E-02	X	
BW25113_1049	opgH	0.4149	1.11E-02	X	
BW25113_1129	phoQ	0.1106	1.18E-02	X	
BW25113_1801	yeaV	0.0543	1.22E-02	X	
BW25113_4055	aphA	0.0660	1.26E-02	X	
BW25113_1218	chaC	0.0554	1.26E-02	X	
BW25113_1327	ycjY	0.0432	1.26E-02	X	
BW25113_1430	tehB	0.0384	1.26E-02	X	
BW25113_2332	yfcO	0.0338	1.26E-02	X	
BW25113_0276	yagJ	0.0060	1.26E-02	X	
BW25113_0185	accA	0.0000	1.26E-02		

BW25113_3560	glyQ	0.0000	1.26E-02	
BW25113_1438	hicB	0.0000	1.26E-02	
BW25113_0912	ihfB	0.0000	1.26E-02	
BW25113_3348	slyX	0.0000	1.26E-02	
BW25113_2533	suhB	0.0000	1.26E-02	
BW25113_2791	truC	0.0000	1.26E-02	
BW25113_0795	ybhG	0.0000	1.26E-02	
BW25113_1266	yciV	0.0000	1.26E-02	
BW25113_2985	yghS	0.0000	1.26E-02	
BW25113_0061	araD	0.0066	1.32E-02	X
BW25113_2086	yegS	0.6079	1.35E-02	X
BW25113_0042	fixB	0.0552	1.35E-02	X
BW25113_1968	yedV	0.2559	1.41E-02	X
BW25113_1498	ydeN	-0.0180	1.75E-02	
BW25113_1390	paaC	-0.0404	1.75E-02	
BW25113_3384	trpS	0.0139	1.76E-02	X
BW25113_4037	malM	0.0025	1.92E-02	X
BW25113_1728	ydjM	-0.0535	1.92E-02	
BW25113_2733	mutS	-0.0241	1.93E-02	
BW25113_3038	ygiC	-0.0063	2.01E-02	
BW25113_0290	ecpD	-0.0574	2.02E-02	
BW25113_0468	ybaN	0.0107	2.10E-02	X
BW25113_0326	yahL	0.7627	2.18E-02	X
BW25113_0494	tesA	-0.0372	2.18E-02	
BW25113_1838	pphA	0.0448	2.21E-02	X
BW25113_1511	lsrK	0.0032	2.28E-02	X
BW25113_1622	malY	-0.0743	2.38E-02	
BW25113_2218	rcsC	-0.0889	2.51E-02	
BW25113_0261	mmuM	-0.0976	2.51E-02	
BW25113_3804	hemD	-0.1175	2.73E-02	
BW25113_3863	polA	-0.1175	2.73E-02	
BW25113_0023	rpsT	-0.1175	2.73E-02	
BW25113_2845	yqeG	0.0652	2.81E-02	X
BW25113_4470	yhaM	-0.0593	2.81E-02	
BW25113_0263	afuB	-0.1124	2.81E-02	
BW25113_3716	cbrB	-0.1275	2.81E-02	
BW25113_3997	hemE	-0.1275	2.81E-02	
BW25113_2582	trxC	-0.1275	2.81E-02	
BW25113_0385	yaiC	0.0063	2.82E-02	X
BW25113_0647	ybeT	-0.1156	2.84E-02	
BW25113_0289	ecpE	-0.1317	2.84E-02	
BW25113_3735	atpH	-0.1340	2.84E-02	
BW25113_3343	tusB	-0.1340	2.84E-02	
BW25113_1856	mepM	-0.0808	2.87E-02	
BW25113_2129	yehX	-0.0460	2.90E-02	

BW25113_3340	fusA	-0.1425	2.90E-02		
BW25113_2247	rhmD	-0.1425	2.90E-02		
BW25113_2033	wbbJ	-0.1425	2.90E-02		
BW25113_1409	ynbB	-0.1425	2.90E-02		
BW25113_1107	nagZ	-0.1484	3.03E-02		
BW25113_3179	rlmE	-0.1542	3.11E-02		
BW25113_0961	yccF	-0.1542	3.11E-02		
BW25113_2222	atoA	0.0482	3.20E-02	X	
BW25113_1990	ldtA	-0.0975	3.20E-02		
BW25113_0344	lacZ	-0.1418	3.20E-02		
BW25113_2804	fucU	-0.1619	3.20E-02		
BW25113_3040	zupT	-0.1619	3.20E-02		
BW25113_1610	tus	-0.1447	3.24E-02		
BW25113_2831	mutH	-0.1449	3.24E-02		
BW25113_2398	yfeC	0.3592	3.41E-02	X	
BW25113_3844	fre	-0.1795	3.55E-02		
BW25113_4040	ubiA	-0.1795	3.55E-02		
BW25113_2797	sdaB	-0.1466	3.97E-02		
BW25113_2452	eutH	-0.1112	4.27E-02		
BW25113_1794	yeaP	-0.1996	4.71E-02		
BW25113_0313	betI	-0.1001	4.73E-02		
BW25113_2830	rppH	-0.2177	4.75E-02		
BW25113_3604	lldR	-0.2032	4.79E-02		
BW25113_3271	yhdZ	-0.2233	4.79E-02		
BW25113_0945	pyrD	-0.2190	4.95E-02		

Phage T4	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	3.5178	3.72E-47	X	
	BW25113_2215	ompC	2.3519	2.47E-16	X	X
	BW25113_0164	yaeI	1.1401	4.73E-14	X	
	BW25113_0215	dnaQ	1.0885	1.19E-12	X	
	BW25113_3813	uvrD	2.6208	1.46E-11	X	
	BW25113_2533	suhB	1.0092	2.80E-11	X	
	BW25113_3404	envZ	3.1160	4.86E-10	X	
	BW25113_4026	yjbE	1.3553	1.07E-07	X	
	BW25113_1448	mnaT	0.6503	1.42E-06	X	
	BW25113_0101	yacG	0.2303	2.34E-06	X	
	BW25113_4409	blr	0.2941	2.80E-06	X	
	BW25113_2179	yejE	0.3051	3.06E-06	X	
	BW25113_0547	ybcN	1.6356	1.25E-05	X	
	BW25113_0099	mutT	0.6180	1.25E-05	X	
	BW25113_0185	accA	0.0000	1.25E-05		
	BW25113_0504	allS	0.0000	1.25E-05		

BW25113_0778	bioD	0.0000	1.25E-05	
BW25113_3560	glyQ	0.0000	1.25E-05	
BW25113_2231	gyrA	0.0000	1.25E-05	
BW25113_1438	hicB	0.0000	1.25E-05	
BW25113_0912	ihfB	0.0000	1.25E-05	
BW25113_3348	slyX	0.0000	1.25E-05	
BW25113_2791	truC	0.0000	1.25E-05	
BW25113_0795	ybhG	0.0000	1.25E-05	
BW25113_1266	yciV	0.0000	1.25E-05	
BW25113_1724	ydiZ	0.0000	1.25E-05	
BW25113_2985	yghS	0.0000	1.25E-05	
BW25113_0075	leuL	0.0748	6.41E-05	X
BW25113_2114	metG	-0.0181	6.41E-05	
BW25113_3804	hemD	-0.1175	6.41E-05	
BW25113_3863	polA	-0.1175	6.41E-05	
BW25113_0023	rpsT	-0.1175	6.41E-05	
BW25113_0410	yajD	-0.0281	6.44E-05	
BW25113_3716	cbrB	-0.1275	6.44E-05	
BW25113_3997	hemE	-0.1275	6.44E-05	
BW25113_2582	trxC	-0.1275	6.44E-05	
BW25113_3735	atpH	-0.1340	6.71E-05	
BW25113_3343	tusB	-0.1340	6.71E-05	
BW25113_3340	fusA	-0.1425	6.87E-05	
BW25113_2247	rhmD	-0.1425	6.87E-05	
BW25113_2033	wbbJ	-0.1425	6.87E-05	
BW25113_1409	ynbB	-0.1425	6.87E-05	
BW25113_2260	menE	-0.0173	7.60E-05	
BW25113_3179	rlmE	-0.1542	7.60E-05	
BW25113_0961	yccF	-0.1542	7.60E-05	
BW25113_4392	slt	-0.0576	7.95E-05	
BW25113_2804	fucU	-0.1619	7.95E-05	
BW25113_3040	zupT	-0.1619	7.95E-05	
BW25113_1599	mdtI	0.0190	9.44E-05	X
BW25113_3384	trpS	-0.1150	9.44E-05	
BW25113_3844	fre	-0.1795	9.44E-05	
BW25113_4040	ubiA	-0.1795	9.44E-05	
BW25113_3631	waaG	-0.0753	1.06E-04	
BW25113_1270	btuR	-0.1123	1.11E-04	
BW25113_2218	rcsC	0.0413	1.58E-04	X
BW25113_3271	yhdZ	-0.2233	1.62E-04	
BW25113_3850	hemG	-0.2430	2.09E-04	
BW25113_1945	fliM	-0.2678	2.88E-04	
BW25113_4539	yoeB	-0.2726	3.01E-04	
BW25113_2890	lysS	-0.2753	3.07E-04	
BW25113_0659	ybeY	-0.2788	3.17E-04	

BW25113_3833	ubiE	-0.2978	4.02E-04		
BW25113_2594	rluD	-0.2997	4.05E-04		
BW25113_0142	folK	-0.3039	4.22E-04		
BW25113_0089	ftsW	-0.3055	4.24E-04		
BW25113_0024	yaaY	-0.3082	4.33E-04		
BW25113_0042	fixB	-0.2316	4.39E-04		
BW25113_4527	ydaF	-0.3129	4.45E-04		
BW25113_3733	atpG	-0.3136	4.45E-04		
BW25113_0733	cydA	-0.3166	4.56E-04		
BW25113_3732	atpD	-0.3259	5.08E-04		
BW25113_1680	sufS	-0.2559	5.14E-04		
BW25113_3143	yraI	-0.3290	5.14E-04		
BW25113_4403	yjtD	-0.3300	5.14E-04		
BW25113_4147	efp	-0.3323	5.22E-04		
BW25113_1133	mnmA	-0.3554	6.94E-04		
BW25113_2036	glf	-0.3595	7.23E-04		
BW25113_0632	dacA	-0.3645	7.60E-04		
BW25113_4557	yidD	-0.2232	7.62E-04		
BW25113_3177	folP	-0.3664	7.62E-04		
BW25113_1807	tsaB	-0.3686	7.71E-04		
BW25113_0687	seqA	-0.3768	8.45E-04		
BW25113_4029	yjbH	0.3369	9.15E-04	X	X
BW25113_4476	gntU	-0.2326	9.32E-04		
BW25113_1943	fliK	-0.3268	1.08E-03		
BW25113_4543	ypaA	-0.4018	1.10E-03		
BW25113_0734	cydB	-0.4162	1.30E-03		
BW25113_3005	exbD	-0.4302	1.53E-03		
BW25113_2063	yegH	0.2044	1.72E-03	X	
BW25113_0713	ybgL	-0.4503	1.91E-03		
BW25113_2428	murQ	-0.4588	2.07E-03		
BW25113_2232	ubiG	-0.4588	2.07E-03		
BW25113_3357	crp	-0.4614	2.11E-03		
BW25113_1990	ldtA	-0.3541	2.12E-03		
BW25113_2800	fucA	-0.4837	2.69E-03		
BW25113_1056	yceI	-0.5006	3.25E-03		
BW25113_0562	ybcY	-0.5070	3.47E-03		
BW25113_4035	malK	-0.3750	3.55E-03		
BW25113_1163	bluF	-0.5118	3.59E-03		
BW25113_3038	ygiC	-0.4336	3.67E-03		
BW25113_2376	ypdI	-0.5172	3.75E-03		
BW25113_0628	lipA	-0.5234	3.98E-03		
BW25113_0036	caiD	-0.5257	4.05E-03		
BW25113_0593	entC	-0.5400	4.72E-03		
BW25113_0848	ybjM	-0.5435	4.87E-03		
BW25113_1068	yceM	-0.2737	5.18E-03		

BW25113_0803	ybiI	-0.5542	5.39E-03		
BW25113_0555	rrrD	-0.5555	5.42E-03		
BW25113_0060	polB	-3.1043	5.94E-03		
BW25113_1853	yebK	-0.4244	6.08E-03		
BW25113_3429	glgA	-0.4977	6.08E-03		
BW25113_1044	ymdA	-0.3095	6.32E-03		
BW25113_1631	rsxG	-0.5805	6.85E-03		X
BW25113_1019	efeB	-0.5830	6.98E-03		
BW25113_3344	tusC	-0.5902	7.48E-03		
BW25113_0843	ybjH	-0.5937	7.71E-03		
BW25113_1917	yecC	-0.5982	8.03E-03		
BW25113_2267	elaA	-0.6144	9.49E-03		
BW25113_4483	tatD	-0.0846	9.80E-03		
BW25113_4672	ymiB	-0.6204	9.95E-03		
BW25113_3345	tusD	-0.6240	1.03E-02		
BW25113_2459	eutT	-0.6450	1.27E-02		
BW25113_4244	pyrI	-0.4321	1.37E-02		
BW25113_1280	yciM	-0.6543	1.37E-02		
BW25113_1902	ftnB	-0.6545	1.37E-02		
BW25113_2937	speB	-0.6471	1.44E-02		
BW25113_1517	lsrF	-0.6648	1.49E-02		
BW25113_4318	fimF	-0.6655	1.49E-02		
BW25113_3417	malP	-3.0039	1.49E-02		
BW25113_0750	nadA	-0.6698	1.55E-02		
BW25113_0511	ybbW	-0.6711	1.55E-02		
BW25113_1446	ydcY	-0.4548	1.68E-02		
BW25113_3392	hofP	-0.6807	1.69E-02		
BW25113_1532	marB	-0.6820	1.69E-02		
BW25113_2530	iscS	-0.6823	1.69E-02		
BW25113_2095	gatZ	-0.6909	1.83E-02		
BW25113_4027	yjbF	1.0365	1.88E-02	X	X
BW25113_0627	tatE	-0.6949	1.88E-02		
BW25113_1390	paaC	-0.5097	1.96E-02		
BW25113_3568	xylH	-0.5820	1.96E-02		
BW25113_3919	tpiA	-0.7045	2.03E-02		
BW25113_0943	ycbV	-0.7144	2.21E-02		
BW25113_1176	minC	-0.7150	2.21E-02		
BW25113_3212	gltB	-2.9547	2.21E-02		
BW25113_2702	srlA	-0.7169	2.24E-02		
BW25113_3094	exuR	-0.7182	2.25E-02		
BW25113_1358	ydaT	-0.7210	2.30E-02		
BW25113_3785	wzzE	-2.9409	2.44E-02		
BW25113_2643	yfjX	-0.7327	2.52E-02		
BW25113_2811	csdE	-0.7331	2.52E-02		
BW25113_1307	pspD	-0.7331	2.52E-02		

BW25113_4006	purH	-2.9337	2.56E-02		
BW25113_1623	add	-0.7403	2.65E-02		
BW25113_2917	scpA	-2.9290	2.65E-02		
BW25113_3620	waaF	-0.5297	2.69E-02		
BW25113_1815	yoaD	-0.6763	2.69E-02		
BW25113_3287	def	-0.1970	2.78E-02		
BW25113_4362	dnaT	-0.7513	2.88E-02		
BW25113_2507	guaA	-0.7535	2.93E-02		
BW25113_2648	pinH	-0.7573	3.00E-02		
BW25113_4546	ypeB	-0.7574	3.00E-02		
BW25113_3725	pstB	-0.7608	3.08E-02		
BW25113_1431	ydcL	-0.7405	3.60E-02		
BW25113_2867	xdhB	-0.7812	3.70E-02		
BW25113_3504	yhiS	-0.7831	3.72E-02		
BW25113_3043	ygiL	-0.7831	3.72E-02		
BW25113_4174	hflK	-0.7836	3.72E-02		
BW25113_1614	ydgA	-0.6676	3.94E-02		
BW25113_1821	mntP	-0.7925	3.99E-02		
BW25113_1752	ydjZ	-0.7929	3.99E-02		
BW25113_2626	yfjJ	-0.7935	3.99E-02		
BW25113_0416	nusB	-0.7961	4.06E-02		
BW25113_2121	yehP	-0.8035	4.32E-02		
BW25113_3014	yqhH	-0.6818	4.35E-02		X
BW25113_4297	yjhG	-2.8596	4.51E-02		
BW25113_3625	waaY	-0.8172	4.82E-02		
BW25113_2520	yfhM	-2.7582	4.82E-02		

Phage T7	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	2.4399	1.24E-27	X	
	BW25113_0164	yaeI	1.5091	1.68E-16	X	
	BW25113_0260	mmuP	1.8319	1.75E-15	X	
	BW25113_3014	yqhH	1.7973	4.35E-15	X	X
	BW25113_1049	opgH	2.4785	6.35E-10	X	
	BW25113_3801	aslA	1.4394	1.16E-09	X	
	BW25113_2937	speB	0.6458	8.35E-08	X	
	BW25113_0215	dnaQ	2.7106	7.50E-07	X	
	BW25113_0410	yajD	0.3497	7.77E-07	X	
	BW25113_2114	metG	0.3221	1.26E-06	X	
	BW25113_3384	trpS	0.2917	1.70E-06	X	
	BW25113_1990	ldtA	0.2719	2.12E-06	X	
	BW25113_1599	mdtI	0.2442	4.12E-06	X	
	BW25113_0795	ybhG	0.3085	4.12E-06	X	
	BW25113_2086	yegS	1.3502	4.12E-06	X	

BW25113_2985	yghS	0.3085	4.12E-06	X
BW25113_4409	blr	0.1953	5.61E-06	X
BW25113_0185	accA	0.2491	5.75E-06	X
BW25113_0127	yadG	1.0883	5.75E-06	X
BW25113_0101	yacG	0.2233	6.53E-06	X
BW25113_0145	dksA	1.6445	9.51E-06	X
BW25113_1292	sapC	0.5896	1.37E-05	X
BW25113_3631	waaG	0.0945	1.53E-05	X
BW25113_4244	pyrI	1.6902	1.64E-05	X
BW25113_1853	yebK	0.0753	2.11E-05	X
BW25113_1294	sapA	0.1100	2.16E-05	X
BW25113_1680	sufS	0.0467	3.54E-05	X
BW25113_0504	allS	0.0000	3.54E-05	
BW25113_0778	bioD	0.0000	3.54E-05	
BW25113_3560	glyQ	0.0000	3.54E-05	
BW25113_2231	gyrA	0.0000	3.54E-05	
BW25113_1438	hicB	0.0000	3.54E-05	
BW25113_0912	ihfB	0.0000	3.54E-05	
BW25113_3348	slyX	0.0000	3.54E-05	
BW25113_2533	suhB	0.0000	3.54E-05	
BW25113_2791	truC	0.0000	3.54E-05	
BW25113_1266	yciV	0.0000	3.54E-05	
BW25113_1724	ydiZ	0.0000	3.54E-05	
BW25113_4557	yidD	-0.0088	4.32E-05	
BW25113_2024	hisA	2.4589	5.31E-05	X
BW25113_0098	secA	0.1373	7.35E-05	X
BW25113_3804	hemD	-0.1175	1.51E-04	
BW25113_3863	polA	-0.1175	1.51E-04	
BW25113_2218	rcsC	-0.0807	1.51E-04	
BW25113_0023	rpsT	-0.1175	1.51E-04	
BW25113_3716	cbrB	-0.1275	1.58E-04	
BW25113_3997	hemE	-0.1275	1.58E-04	
BW25113_2582	trxC	-0.1275	1.58E-04	
BW25113_3735	atpH	-0.1340	1.65E-04	
BW25113_3343	tusB	-0.1340	1.65E-04	
BW25113_1187	fadR	1.4939	1.65E-04	X
BW25113_4392	slt	0.0474	1.65E-04	X
BW25113_3340	fusA	-0.1425	1.65E-04	
BW25113_2247	rhmD	-0.1425	1.65E-04	
BW25113_2033	wbbJ	-0.1425	1.65E-04	
BW25113_1409	ynbB	-0.1425	1.65E-04	
BW25113_3179	rlmE	-0.1542	1.85E-04	
BW25113_0961	yccF	-0.1542	1.85E-04	
BW25113_2804	fucU	-0.1619	1.98E-04	
BW25113_3040	zupT	-0.1619	1.98E-04	

BW25113_3038	ygiC	-0.1661	2.17E-04	
BW25113_0069	sgrR	0.4061	2.32E-04	X
BW25113_3844	fre	-0.1795	2.32E-04	
BW25113_4040	ubiA	-0.1795	2.32E-04	
BW25113_0042	fixB	-0.1838	2.66E-04	
BW25113_4476	gntU	-0.1481	3.26E-04	
BW25113_3271	yhdZ	-0.2233	3.85E-04	
BW25113_3850	hemG	-0.2430	4.84E-04	
BW25113_1448	mnaT	-0.2461	4.96E-04	
BW25113_1614	ydgA	-0.2595	5.85E-04	
BW25113_1945	fliM	-0.2678	6.28E-04	
BW25113_3083	higB	-0.1672	6.35E-04	
BW25113_4539	yoeB	-0.2726	6.47E-04	
BW25113_2890	lysS	-0.2753	6.60E-04	
BW25113_2025	hisF	-0.0830	6.70E-04	
BW25113_0659	ybeY	-0.2788	6.70E-04	
BW25113_4035	malK	-0.2693	6.87E-04	
BW25113_3833	ubiE	-0.2978	8.20E-04	
BW25113_2594	rluD	-0.2997	8.28E-04	
BW25113_0142	folK	-0.3039	8.59E-04	
BW25113_0089	ftsW	-0.3055	8.65E-04	
BW25113_0024	yaaY	-0.3082	8.83E-04	
BW25113_3733	atpG	-0.3136	9.18E-04	
BW25113_4527	ydaF	-0.3129	9.18E-04	
BW25113_0733	cydA	-0.3166	9.40E-04	
BW25113_2287	nuoB	0.3445	9.74E-04	X
BW25113_3732	atpD	-0.3259	1.02E-03	
BW25113_3143	yraI	-0.3290	1.05E-03	
BW25113_4403	yjtD	-0.3300	1.05E-03	
BW25113_4147	efp	-0.3323	1.07E-03	
BW25113_0261	mmuM	0.5437	1.22E-03	X
BW25113_3568	xylH	-0.3349	1.24E-03	
BW25113_3620	waaF	0.5397	1.33E-03	X
BW25113_1133	mnmA	-0.3554	1.33E-03	
BW25113_2036	glf	-0.3595	1.39E-03	
BW25113_0632	dacA	-0.3645	1.45E-03	
BW25113_3177	folP	-0.3664	1.47E-03	
BW25113_1807	tsaB	-0.3686	1.49E-03	
BW25113_0687	seqA	-0.3768	1.62E-03	
BW25113_0200	gmhB	0.0361	1.84E-03	X
BW25113_0222	gmhA	-0.0771	1.96E-03	
BW25113_4543	ypaA	-0.4018	2.08E-03	
BW25113_0734	cydB	-0.4162	2.42E-03	
BW25113_3005	exbD	-0.4302	2.80E-03	
BW25113_0278	yagL	2.2519	3.33E-03	X

BW25113_0713	ybgL	-0.4503	3.42E-03		
BW25113_2428	murQ	-0.4588	3.68E-03		
BW25113_2232	ubiG	-0.4588	3.68E-03		
BW25113_3357	crp	-0.4614	3.75E-03		
BW25113_2800	fucA	-0.4837	4.72E-03		
BW25113_3287	def	-0.2470	5.29E-03		
BW25113_1056	yceI	-0.5006	5.53E-03		
BW25113_0562	ybcY	-0.5070	5.87E-03		
BW25113_1163	bluF	-0.5118	6.11E-03		
BW25113_0209	yafD	-0.4747	6.35E-03		
BW25113_2376	ypdI	-0.5172	6.35E-03		
BW25113_0033	carB	0.4890	6.66E-03	X	
BW25113_0628	lipA	-0.5234	6.66E-03		
BW25113_0036	caiD	-0.5257	6.76E-03		
BW25113_1703	ppsR	2.4646	7.60E-03	X	
BW25113_0593	entC	-0.5400	7.70E-03		
BW25113_0848	ybjM	-0.5435	7.91E-03		
BW25113_3619	hldD	0.1816	8.15E-03	X	
BW25113_0803	ybiI	-0.5542	8.69E-03		
BW25113_0555	rrrD	-0.5555	8.73E-03		
BW25113_1218	chaC	-0.5392	9.23E-03		
BW25113_4483	tatD	0.2601	9.31E-03	X	
BW25113_0162	cdaR	-0.5613	1.01E-02		
BW25113_1631	rsxG	-0.5805	1.09E-02		X
BW25113_1019	efeB	-0.5830	1.11E-02		
BW25113_4029	yjbH	2.8044	1.15E-02	X	X
BW25113_3344	tusC	-0.5902	1.17E-02		
BW25113_0843	ybjH	-0.5937	1.20E-02		
BW25113_3994	thiC	-3.0714	1.24E-02		
BW25113_1917	yecC	-0.5982	1.24E-02		
BW25113_0099	mutT	0.6358	1.28E-02	X	
BW25113_0288	ykgJ	-0.5980	1.30E-02		
BW25113_3813	uvrD	0.4349	1.36E-02	X	
BW25113_2267	elaA	-0.6144	1.41E-02		
BW25113_4672	ymiB	-0.6204	1.48E-02		
BW25113_3345	tusD	-0.6240	1.52E-02		
BW25113_2459	eutT	-0.6450	1.85E-02		
BW25113_1902	ftnB	-0.6545	1.99E-02		
BW25113_1280	yciM	-0.6543	1.99E-02		
BW25113_1815	yoaD	-0.6052	2.07E-02		
BW25113_4318	fimF	-0.6655	2.16E-02		
BW25113_1517	lsrF	-0.6648	2.16E-02		
BW25113_0750	nadA	-0.6698	2.24E-02		
BW25113_0511	ybbW	-0.6711	2.25E-02		
BW25113_0076	leuO	-0.5915	2.38E-02		

BW25113_2398	yfeC	-0.3968	2.40E-02
BW25113_3392	hofP	-0.6807	2.41E-02
BW25113_2530	iscS	-0.6823	2.41E-02
BW25113_1532	marB	-0.6820	2.41E-02
BW25113_2095	gatZ	-0.6909	2.60E-02
BW25113_0627	tatE	-0.6949	2.68E-02
BW25113_0073	leuB	-0.6772	2.72E-02
BW25113_0237	pepD	-0.6953	2.79E-02
BW25113_3919	tpiA	-0.7045	2.87E-02
BW25113_0290	ecpD	-0.2296	2.92E-02
BW25113_4566	yjhX	-0.6320	2.93E-02
BW25113_1176	minC	-0.7150	3.07E-02
BW25113_0943	ycbV	-0.7144	3.07E-02
BW25113_2702	srlA	-0.7169	3.11E-02
BW25113_3094	exuR	-0.7182	3.13E-02
BW25113_1358	ydaT	-0.7210	3.19E-02
BW25113_1622	malY	-0.6707	3.38E-02
BW25113_0120	speD	-2.9166	3.38E-02
BW25113_0276	yagJ	-0.6808	3.39E-02
BW25113_2811	csdE	-0.7331	3.41E-02
BW25113_1307	pspD	-0.7331	3.41E-02
BW25113_2643	yfjX	-0.7327	3.41E-02
BW25113_4466	yghJ	-2.8869	3.41E-02
BW25113_2818	argA	-0.7256	3.47E-02
BW25113_1623	add	-0.7403	3.59E-02
BW25113_4330	yjiH	-0.0638	3.70E-02
BW25113_4362	dnaT	-0.7513	3.91E-02
BW25113_2507	guaA	-0.7535	3.96E-02
BW25113_2648	pinH	-0.7573	4.05E-02
BW25113_4546	ypeB	-0.7574	4.05E-02
BW25113_0118	acnB	-2.7938	4.15E-02
BW25113_3502	arsB	-0.7523	4.15E-02
BW25113_4288	fecD	-2.8949	4.15E-02
BW25113_3725	pstB	-0.7608	4.15E-02
BW25113_2867	xdhB	-0.7812	4.84E-02
BW25113_4174	hflK	-0.7836	4.87E-02
BW25113_3043	ygiL	-0.7831	4.87E-02
BW25113_3504	yhiS	-0.7831	4.87E-02

Control	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0108	ppdD	3.3618	9.03E-63	X	
	BW25113_4553	ysaB	2.6739	6.57E-43	X	
	BW25113_0650	hscC	2.5811	5.36E-41	X	

BW25113_2626	yfjJ	2.4249	2.83E-37	X	
BW25113_3418	malT	2.4224	2.83E-37	X	
BW25113_4036	lamB	2.4120	4.31E-37	X	X
BW25113_1620	malI	2.2867	4.09E-34	X	
BW25113_1487	ddpA	1.9890	1.40E-27	X	
BW25113_1904	yecR	1.8718	2.50E-25	X	
BW25113_0222	gmhA	1.7725	2.11E-23	X	
BW25113_3620	waaF	1.7570	3.63E-23	X	
BW25113_3434	yhgN	1.6960	4.89E-22	X	
BW25113_3052	hldE	1.6514	3.10E-21	X	
BW25113_3504	yhiS	1.5814	5.68E-20	X	
BW25113_3621	waaC	1.4704	4.46E-18	X	
BW25113_3743	asnC	1.4424	1.18E-17	X	
BW25113_2381	ypdB	1.2708	9.72E-15	X	
BW25113_3619	hldD	1.2100	5.47E-14	X	
BW25113_1658	purR	1.1450	4.66E-13	X	
BW25113_4222	ytfP	1.1527	5.51E-13	X	
BW25113_2838	lysA	1.1407	5.51E-13	X	
BW25113_3630	waaP	1.1392	1.01E-12	X	
BW25113_3653	gltS	1.1113	1.19E-12	X	
BW25113_1236	galU	1.1318	2.11E-12	X	
BW25113_0130	yadE	1.0723	3.91E-12	X	
BW25113_2533	suhB	1.0493	1.15E-11	X	
BW25113_3842	rfaH	1.0154	5.19E-11	X	
BW25113_3043	ygiL	0.9422	2.90E-10	X	
BW25113_1968	yedV	0.9011	9.55E-10	X	
BW25113_3661	nlpA	0.8463	1.13E-08	X	
BW25113_2804	fucU	0.8992	1.38E-08	X	
BW25113_0018	mokC	0.7522	4.29E-08	X	
BW25113_2426	ucpA	0.7750	4.71E-08	X	
BW25113_4554	yibT	0.7039	1.31E-07	X	
BW25113_2244	yfaD	0.6826	2.38E-07	X	
BW25113_0890	ftsK	-2.0359	7.48E-07		
BW25113_0439	lon	0.6270	8.30E-07	X	
BW25113_2095	gatZ	0.6068	2.37E-06	X	
BW25113_3404	envZ	-1.9363	2.38E-06		
BW25113_0014	dnaK	0.5851	2.40E-06	X	
BW25113_2572	rseA	-1.9865	5.71E-06		
BW25113_4373	rimI	0.5154	1.04E-05	X	
BW25113_2820	recB	-1.8777	1.23E-05		
BW25113_1431	ydcL	0.6536	1.35E-05	X	
BW25113_0947	ycbX	0.5073	1.59E-05	X	
BW25113_0826	moeB	0.4910	1.95E-05	X	
BW25113_1266	yciV	0.9957	1.98E-05	X	
BW25113_3792	wzxE	-1.9127	3.12E-05		

BW25113_2875	yqeB	0.4583	3.39E-05	X	
BW25113_2840	ygeA	0.4570	3.39E-05	X	
BW25113_3671	ilvB	0.4702	3.69E-05	X	
BW25113_2065	dcd	-1.8949	4.23E-05		
BW25113_3024	ygiW	0.4247	6.88E-05	X	
BW25113_1739	osmE	0.4245	7.42E-05	X	
BW25113_2347	yfdC	0.4128	7.43E-05	X	
BW25113_1218	chaC	0.4136	8.25E-05	X	
BW25113_3613	envC	-1.8564	8.69E-05		
BW25113_1813	nudL	0.4186	1.07E-04	X	
BW25113_4485	ytfR	0.3911	1.16E-04	X	
BW25113_0042	fixB	0.4154	1.26E-04	X	
BW25113_4348	hsdS	0.3858	1.30E-04	X	
BW25113_1059	solA	0.3907	1.38E-04	X	
BW25113_1297	puuA	0.3808	1.38E-04	X	
BW25113_2822	recC	-1.7306	1.42E-04		
BW25113_3631	waaG	0.3851	1.45E-04	X	
BW25113_2810	csdA	0.3737	1.45E-04	X	
BW25113_2143	cdd	0.4866	1.53E-04	X	
BW25113_2395	yfeA	0.3419	2.59E-04	X	
BW25113_3592	yibF	0.3460	2.60E-04	X	
BW25113_3688	yidQ	0.3468	2.61E-04	X	
BW25113_0688	pgm	0.3900	2.79E-04	X	
BW25113_4035	malK	0.3287	3.25E-04	X	
BW25113_2215	ompC	-1.7346	3.64E-04		X
BW25113_2682	ygaZ	0.3236	3.88E-04	X	
BW25113_1143	ymfI	0.3373	4.64E-04	X	
BW25113_0961	yccF	0.5276	5.22E-04	X	
BW25113_3729	glmS	-1.7500	5.33E-04		
BW25113_3163	nlpI	-1.7128	6.33E-04		X
BW25113_0066	thiQ	0.2831	6.71E-04	X	
BW25113_4555	yicS	0.2737	8.60E-04	X	
BW25113_1607	ydgC	0.3081	8.84E-04	X	
BW25113_1407	ydbD	0.2616	1.11E-03	X	
BW25113_1559	quuQ	0.2920	1.13E-03	X	
BW25113_0200	gmhB	0.2533	1.13E-03	X	
BW25113_1136	icd	-1.6582	1.14E-03		
BW25113_1830	prc	-1.6835	1.19E-03		
BW25113_0387	yaiI	0.3013	1.20E-03	X	
BW25113_1042	csgA	0.3784	2.15E-03	X	
BW25113_2643	yfjX	0.2880	2.15E-03	X	
BW25113_0230	lafU	0.2105	2.22E-03	X	
BW25113_3706	mnmE	-1.6072	2.41E-03		
BW25113_0547	ybcN	0.2460	2.48E-03	X	
BW25113_3999	yjaG	0.2038	2.76E-03	X	

BW25113_1304	pspA	-1.5849	3.08E-03			
BW25113_3087	ygjR	0.1868	3.79E-03	X		
BW25113_4586	ykfM	0.3757	4.20E-03	X		
BW25113_2220	atoC	0.1927	4.49E-03	X		
BW25113_3811	xerC	-1.6147	4.65E-03			
BW25113_4409	blr	0.1680	4.95E-03	X		
BW25113_3323	gspA	0.1564	5.55E-03	X		
BW25113_1068	yceM	0.3555	6.03E-03	X		
BW25113_0243	proA	0.1412	6.66E-03	X		
BW25113_3628	waaB	0.1372	6.81E-03	X		
BW25113_3425	glpE	0.2652	6.94E-03	X		
BW25113_2439	eutL	0.1357	6.94E-03	X		
BW25113_3348	slyX	0.1727	7.12E-03	X		
BW25113_1064	grxB	0.1347	7.55E-03	X		
BW25113_1623	add	0.1262	7.59E-03	X		
BW25113_1808	yoaA	0.1618	7.80E-03	X		
BW25113_2827	thyA	-1.5762	7.80E-03			
BW25113_3094	exuR	0.1279	8.20E-03	X		
BW25113_3384	trpS	0.1149	8.74E-03	X		
BW25113_1529	marC	0.1137	9.43E-03	X		
BW25113_4658	yghX	0.1392	1.04E-02	X		
BW25113_4539	yoeB	0.1166	1.04E-02	X		
BW25113_4480	hdfR	0.1124	1.05E-02	X		
BW25113_3624	waaZ	-1.4910	1.09E-02			
BW25113_0741	pal	-1.5361	1.11E-02			X
BW25113_1358	ydaT	0.1902	1.11E-02	X		
BW25113_2783	mazE	0.0943	1.14E-02	X		
BW25113_4108	yjdM	0.0904	1.18E-02	X		
BW25113_4392	slt	0.0908	1.19E-02	X		
BW25113_4579	yaiX	0.1229	1.22E-02	X		
BW25113_2231	gyrA	0.1019	1.22E-02	X		
BW25113_2791	truC	0.1019	1.22E-02	X		
BW25113_2114	metG	0.0883	1.22E-02	X		
BW25113_4318	fimF	0.0857	1.22E-02			
BW25113_0737	tolQ	-1.5335	1.22E-02			
BW25113_2894	xerD	-1.5044	1.27E-02			
BW25113_3655	yicH	0.0943	1.31E-02	X		
BW25113_0149	mrcB	-1.5295	1.34E-02			
BW25113_3233	yhcB	-1.4586	1.37E-02			
BW25113_2139	mdtQ	0.0736	1.39E-02	X	X	
BW25113_0101	yacG	0.0854	1.39E-02	X		
BW25113_1438	hicB	0.0853	1.39E-02	X		
BW25113_0912	ihfB	0.0853	1.39E-02	X		
BW25113_1291	sapD	-1.4694	1.44E-02			
BW25113_2245	rhmA	0.0760	1.53E-02	X		

BW25113_3560	glyQ	0.0696	1.61E-02	X		
BW25113_0305	rclR	0.0600	1.73E-02	X		
BW25113_2717	hycI	0.1005	1.76E-02	X		
BW25113_3448	yhhA	0.0559	1.83E-02	X		
BW25113_0159	mtn	-1.4700	1.85E-02			
BW25113_4248	yjgH	0.0619	2.11E-02	X		
BW25113_3866	yihI	0.0401	2.11E-02			
BW25113_0761	modE	0.0366	2.25E-02	X		
BW25113_4527	ydaF	0.1228	2.35E-02	X		
BW25113_0753	ybgS	0.0746	2.45E-02	X		
BW25113_2372	yfdV	0.0395	2.67E-02	X		
BW25113_1863	ruvC	-1.4036	2.75E-02			
BW25113_3290	trkA	-1.4279	2.75E-02			
BW25113_2770	ygcR	0.0242	2.82E-02	X		
BW25113_3426	glpD	-1.4383	2.95E-02			
BW25113_3563	yiaB	0.0505	3.24E-02			
BW25113_3035	tolC	-1.3114	3.36E-02			X
BW25113_0185	accA	0.0000	3.36E-02			
BW25113_0504	allS	0.0000	3.36E-02			
BW25113_0778	bioD	0.0000	3.36E-02			
BW25113_0795	ybhG	0.0000	3.36E-02			
BW25113_1724	ydiZ	0.0000	3.36E-02			
BW25113_2985	yghS	0.0000	3.36E-02			
BW25113_1860	ruvB	-1.4227	3.39E-02			
BW25113_3574	yiaJ	0.0048	3.58E-02	X		
BW25113_1131	purB	-1.4438	3.79E-02			
BW25113_2196	ccmF	-0.0076	3.83E-02	X		
BW25113_4217	ytfK	0.0725	3.99E-02	X		
BW25113_3394	hofN	-0.0066	4.16E-02			
BW25113_3423	glpR	-0.0178	4.23E-02			
BW25113_0313	betI	-0.0178	4.23E-02			
BW25113_3741	mnmG	-1.4113	4.23E-02			
BW25113_2702	srlA	-0.0169	4.26E-02	X		
BW25113_2906	ubiI	-1.4133	4.35E-02			
BW25113_1125	potB	-0.0244	4.48E-02	X		
BW25113_2126	yehU	-0.0173	4.66E-02			
BW25113_0863	artI	-0.0216	4.66E-02			
BW25113_1192	ldcA	-1.3129	4.72E-02			
BW25113_3828	metR	-0.0331	4.87E-02			
BW25113_0116	lpd	-1.3880	4.87E-02			
BW25113_3938	metJ	-1.3983	4.87E-02			
BW25113_4141	yjeH	-0.0263	4.88E-02			
BW25113_2558	mltF	-0.0359	4.92E-02			X
BW25113_3055	ygiM	0.0085	4.92E-02			
BW25113_3271	yhdZ	-0.0154	4.92E-02			

Phage R3	Gene ID	Gene Name	A = log[A_o/A_i]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	4.2136	4.24E-36	X	
	BW25113_0957	ompA	3.4374	4.92E-27	X	X
	BW25113_4672	ymiB	2.3490	4.37E-16	X	
	BW25113_0164	yaeI	1.9706	3.50E-13	X	
	BW25113_0075	leuL	1.2722	3.32E-08	X	
	BW25113_2179	yejE	1.1749	1.14E-07	X	
	BW25113_2532	trmJ	1.1017	6.64E-07	X	
	BW25113_0497	rhsD	0.9610	1.56E-06	X	X
	BW25113_0114	aceE	0.9780	1.56E-06	X	
	BW25113_1642	slyA	0.7483	2.10E-05	X	
	BW25113_0215	dnaQ	0.7736	4.74E-05	X	
	BW25113_4392	slt	0.6958	4.74E-05	X	
	BW25113_0099	mutT	0.7238	5.35E-05	X	
	BW25113_2927	epd	0.7547	2.34E-04	X	
	BW25113_2741	rpoS	1.3924	4.16E-04	X	
	BW25113_1680	sufS	0.4583	4.16E-04	X	
	BW25113_4199	yjfY	0.5500	5.66E-04	X	
	BW25113_2149	mglA	0.4019	7.47E-04	X	
	BW25113_0184	dnaE	0.4458	7.94E-04	X	
	BW25113_2260	menE	0.3618	8.93E-04	X	
	BW25113_1806	yeaY	0.5411	8.93E-04	X	
	BW25113_4476	gntU	0.3723	1.19E-03	X	
	BW25113_0468	ybaN	0.3475	1.19E-03	X	
	BW25113_3319	rplD	0.3581	1.24E-03	X	
	BW25113_0171	pyrH	0.3288	2.33E-03	X	
	BW25113_0385	yaiC	0.4511	2.33E-03	X	
	BW25113_4052	dnaB	0.2068	3.30E-03	X	
	BW25113_1270	btuR	0.4541	3.55E-03	X	
	BW25113_1139	lit	0.2734	3.55E-03	X	
	BW25113_4085	alsE	0.1556	4.17E-03	X	
	BW25113_0421	ispA	0.2308	4.17E-03	X	
	BW25113_3972	murB	0.1531	4.17E-03	X	
	BW25113_2235	nrdB	0.1985	4.17E-03	X	
	BW25113_1134	nudJ	0.1985	4.17E-03	X	
	BW25113_3987	rpoB	0.1985	4.17E-03	X	
	BW25113_1774	ydjJ	0.2068	4.17E-03	X	
	BW25113_1418	cybB	0.1328	4.37E-03	X	
	BW25113_1448	mnaT	0.9741	4.37E-03	X	
	BW25113_0569	nfrB	0.1535	4.37E-03	X	
	BW25113_2429	murP	0.1401	4.70E-03	X	
	BW25113_3230	rpsI	0.1700	4.70E-03	X	

BW25113_2452	eutH	0.1301	4.85E-03	X	
BW25113_0494	tesA	0.2531	4.85E-03	X	
BW25113_1390	paaC	0.1380	6.59E-03	X	
BW25113_1794	yeaP	0.0647	7.09E-03	X	
BW25113_4520	ymgF	0.1654	7.38E-03	X	
BW25113_4409	blr	0.0370	7.68E-03	X	
BW25113_4313	fimE	0.0416	7.68E-03	X	
BW25113_0076	leuO	0.0709	7.68E-03	X	
BW25113_4501	torI	0.0787	7.68E-03	X	
BW25113_4216	ytfJ	0.0548	7.68E-03	X	
BW25113_2005	cbtA	0.0000	7.68E-03		
BW25113_0896	dmsC	0.0000	7.68E-03		
BW25113_3288	fmt	0.0000	7.68E-03		
BW25113_2036	glf	0.0000	7.68E-03		
BW25113_2231	gyrA	0.0000	7.68E-03		
BW25113_0440	hupB	0.0000	7.68E-03		
BW25113_3635	mutM	0.0000	7.68E-03		
BW25113_2280	nuoJ	0.0000	7.68E-03		
BW25113_1714	pheS	0.0000	7.68E-03		
BW25113_2700	pncC	0.0000	7.68E-03		
BW25113_2165	psuG	0.0000	7.68E-03		
BW25113_0911	rpsA	0.0000	7.68E-03		
BW25113_0023	rpsT	0.0000	7.68E-03		
BW25113_3929	rraA	0.0000	7.68E-03		
BW25113_2533	suhB	0.0000	7.68E-03		
BW25113_0436	tig	0.0000	7.68E-03		
BW25113_2791	truC	0.0000	7.68E-03		
BW25113_0101	yacG	0.0000	7.68E-03		
BW25113_2186	yejK	0.0000	7.68E-03		
BW25113_2359	yfdP	0.0000	7.68E-03		
BW25113_3576	yiaL	0.0000	7.68E-03		
BW25113_1122	ymfA	0.0000	7.68E-03		
BW25113_4543	ypaA	0.0000	7.68E-03		
BW25113_1599	mdtI	-0.0054	8.31E-03		
BW25113_1622	malY	0.0290	8.75E-03	X	
BW25113_0410	yajD	-0.0076	9.25E-03		
BW25113_2367	emrY	0.0187	9.97E-03	X	
BW25113_3726	pstA	0.0957	9.97E-03	X	
BW25113_0539	exoD	0.0178	1.01E-02	X	
BW25113_3908	sodA	0.0555	1.01E-02	X	
BW25113_2600	tyrA	0.0027	1.01E-02	X	
BW25113_3300	secY	0.0042	1.07E-02	X	
BW25113_3407	yhgF	-0.0349	1.07E-02		
BW25113_3324	gspC	0.0055	1.08E-02	X	
BW25113_0805	fiu	-0.0149	1.12E-02		X

BW25113_2521	sseA	-0.0245	1.16E-02	
BW25113_3087	ygjR	0.4906	1.16E-02	X
BW25113_3930	menA	0.0254	1.17E-02	X
BW25113_2114	metG	-0.0489	1.17E-02	
BW25113_2287	nuoB	-0.0326	1.28E-02	
BW25113_3384	trpS	-0.0814	1.29E-02	
BW25113_2332	yfcO	-0.0628	1.29E-02	
BW25113_1107	nagZ	-0.0898	1.33E-02	
BW25113_4037	malM	-0.0596	1.35E-02	
BW25113_4245	pyrB	0.5032	1.38E-02	X
BW25113_0547	ybcN	0.4282	1.38E-02	X
BW25113_3523	yhjE	-0.0782	1.45E-02	
BW25113_0162	cdaR	-0.0967	1.48E-02	
BW25113_1614	ydgA	-0.1040	1.48E-02	
BW25113_2025	hisF	-0.0708	1.49E-02	
BW25113_1865	nudB	-0.0301	1.49E-02	
BW25113_4697	yrdF	-0.0335	1.49E-02	
BW25113_0115	aceF	0.7474	1.57E-02	X
BW25113_3209	elbB	-0.1156	1.57E-02	
BW25113_1430	tehB	-0.0275	1.66E-02	
BW25113_3888	yiiD	0.6049	1.99E-02	X
BW25113_2549	yphG	-0.1543	2.00E-02	
BW25113_3733	atpG	-0.1737	2.17E-02	
BW25113_0142	folK	-0.1737	2.17E-02	
BW25113_3296	rpsD	-0.1737	2.17E-02	
BW25113_4539	yoeB	-0.1737	2.17E-02	
BW25113_1856	mepM	-0.1546	2.27E-02	
BW25113_0639	nadD	-0.1041	2.29E-02	
BW25113_0733	cydA	-0.1946	2.34E-02	
BW25113_3701	dnaN	-0.1946	2.34E-02	
BW25113_3804	hemD	-0.1881	2.34E-02	
BW25113_3931	hslU	-0.1806	2.34E-02	
BW25113_4035	malK	-0.1925	2.34E-02	
BW25113_0714	nei	-0.1946	2.34E-02	
BW25113_3982	nusG	-0.1009	2.34E-02	
BW25113_4162	orn	-0.1946	2.34E-02	
BW25113_2594	rluD	-0.1946	2.34E-02	
BW25113_3620	waaF	-0.1212	2.45E-02	
BW25113_0288	ykgJ	-0.1858	2.49E-02	
BW25113_3734	atpA	-0.2081	2.50E-02	
BW25113_0961	yccF	-0.2081	2.50E-02	
BW25113_2818	argA	-0.1981	2.65E-02	
BW25113_0604	dsbG	-0.1899	2.69E-02	
BW25113_1945	fliM	-0.2247	2.76E-02	
BW25113_0713	ybgL	-0.2247	2.76E-02	

BW25113_4231	yjfF	-0.2119	2.81E-02		
BW25113_4055	aphA	-0.1490	2.92E-02		
BW25113_1580	rspB	-0.2394	3.08E-02		
BW25113_1587	ynfE	-0.2266	3.19E-02		
BW25113_3631	waaG	-0.2419	3.28E-02		
BW25113_1728	ydjM	-0.2455	3.28E-02		
BW25113_1044	ymdA	0.4624	3.40E-02	X	
BW25113_0394	mak	-0.2524	3.40E-02		
BW25113_3038	ygiC	-0.2542	3.40E-02		
BW25113_0042	fixB	-0.2488	3.42E-02		
BW25113_4557	yidD	-0.2206	3.42E-02		
BW25113_3271	yhdZ	-0.2696	3.56E-02		
BW25113_0192	nlpE	-2.9725	3.63E-02		X
BW25113_1681	sufD	-0.2238	3.63E-02		
BW25113_1783	yeaG	-0.2642	3.63E-02		
BW25113_1218	chaC	-0.1374	3.68E-02		
BW25113_0098	secA	1.2073	3.79E-02	X	
BW25113_3560	glyQ	-0.1815	3.79E-02		
BW25113_2218	rcsC	-0.2804	3.82E-02		
BW25113_1803	yeaX	-0.2832	3.82E-02		
BW25113_4147	efp	-0.2897	3.86E-02		
BW25113_1409	ynbB	-0.2897	3.86E-02		
BW25113_1853	yebK	-0.1888	3.88E-02		
BW25113_0061	araD	-0.2464	3.93E-02		
BW25113_2195	dsbE	-0.2210	3.93E-02		
BW25113_1501	ydeP	-0.2884	3.93E-02		
BW25113_2520	yfhM	-2.9503	3.93E-02		
BW25113_2712	hypF	-0.2767	4.08E-02		
BW25113_1129	phoQ	-0.2845	4.18E-02		
BW25113_0200	gmhB	-2.9373	4.21E-02		

Phage U115	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	3.9118	1.43E-38	X	
	BW25113_0411	tsx	3.1707	1.01E-28	X	X
	BW25113_0164	yaeI	1.8345	3.40E-14	X	
	BW25113_4036	lamB	1.4089	1.11E-10	X	X
	BW25113_3929	rraA	1.3587	3.61E-10	X	
	BW25113_0497	rhsD	0.8824	5.27E-07	X	X
	BW25113_2179	yejE	0.6733	1.01E-05	X	
	BW25113_4392	slt	0.6611	1.06E-05	X	
	BW25113_0075	leuL	0.6430	1.48E-05	X	
	BW25113_4542	yohO	0.5721	3.13E-05	X	
	BW25113_0099	mutT	0.6309	4.48E-05	X	

BW25113_4199	yjfY	0.5352	4.86E-05	X	
BW25113_3894	fdoG	0.4926	7.86E-05	X	
BW25113_0814	ompX	0.4525	9.34E-05	X	X
BW25113_2539	hcaF	0.4561	9.34E-05	X	
BW25113_0215	dnaQ	0.6572	1.13E-04	X	
BW25113_1381	ydbH	0.4374	1.24E-04	X	
BW25113_3621	waaC	0.4521	2.51E-04	X	
BW25113_2365	dsdX	0.3314	3.26E-04	X	
BW25113_0171	pyrH	0.3330	3.26E-04	X	
BW25113_3620	waaF	0.3662	3.27E-04	X	
BW25113_4217	ytfK	0.3188	4.26E-04	X	
BW25113_1122	ymfA	0.5059	4.26E-04	X	
BW25113_2831	mutH	1.2574	4.69E-04	X	
BW25113_3192	mlaC	0.2794	4.82E-04	X	
BW25113_4476	gntU	0.2155	9.60E-04	X	
BW25113_0269	yagF	0.2002	1.11E-03	X	
BW25113_4520	ymgF	0.3629	1.12E-03	X	
BW25113_1440	ydcS	0.2630	1.12E-03	X	
BW25113_1270	btuR	0.3240	1.12E-03	X	
BW25113_0410	yajD	0.1979	1.12E-03	X	
BW25113_3726	pstA	0.1832	1.12E-03	X	
BW25113_3982	nusG	0.1793	1.30E-03	X	
BW25113_0184	dnaE	0.2024	1.54E-03	X	
BW25113_0751	pnuC	0.1299	1.79E-03	X	
BW25113_3052	hldE	0.2635	1.79E-03	X	
BW25113_3908	sodA	0.1223	1.91E-03	X	
BW25113_2149	mglA	0.1228	1.94E-03	X	
BW25113_3868	glnG	0.1136	2.31E-03	X	
BW25113_2927	epd	0.1202	2.31E-03	X	
BW25113_4216	ytfJ	0.2762	2.37E-03	X	
BW25113_1448	mnaT	0.8304	2.43E-03	X	
BW25113_3194	mlaE	0.1420	2.76E-03	X	
BW25113_0718	ybgQ	0.0628	3.18E-03	X	X
BW25113_2158	yeiH	0.0317	3.28E-03	X	
BW25113_0115	aceF	0.1386	3.28E-03	X	
BW25113_4409	blr	0.0316	3.28E-03	X	
BW25113_2114	metG	0.0338	3.28E-03	X	
BW25113_2195	dsbE	0.0268	3.28E-03	X	
BW25113_2005	cbtA	0.0000	3.28E-03		
BW25113_0896	dmsC	0.0000	3.28E-03		
BW25113_3288	fmt	0.0000	3.28E-03		
BW25113_2036	glf	0.0000	3.28E-03		
BW25113_2231	gyrA	0.0000	3.28E-03		
BW25113_0440	hupB	0.0000	3.28E-03		
BW25113_0421	ispA	0.0000	3.28E-03		

BW25113_1139	lit	0.0000	3.28E-03	
BW25113_3635	mutM	0.0000	3.28E-03	
BW25113_2235	nrdB	0.0000	3.28E-03	
BW25113_1134	nudJ	0.0000	3.28E-03	
BW25113_2280	nuoJ	0.0000	3.28E-03	
BW25113_1714	pheS	0.0000	3.28E-03	
BW25113_2700	pncC	0.0000	3.28E-03	
BW25113_2165	psuG	0.0000	3.28E-03	
BW25113_3319	rplD	0.0000	3.28E-03	
BW25113_3987	rpoB	0.0000	3.28E-03	
BW25113_0911	rpsA	0.0000	3.28E-03	
BW25113_0023	rpsT	0.0000	3.28E-03	
BW25113_2533	suhB	0.0000	3.28E-03	
BW25113_0436	tig	0.0000	3.28E-03	
BW25113_2791	truC	0.0000	3.28E-03	
BW25113_0101	yacG	0.0000	3.28E-03	
BW25113_1774	ydjJ	0.0000	3.28E-03	
BW25113_2186	yejK	0.0000	3.28E-03	
BW25113_2359	yfdP	0.0000	3.28E-03	
BW25113_3576	yiaL	0.0000	3.28E-03	
BW25113_4543	ypaA	0.0000	3.28E-03	
BW25113_0714	nei	0.0847	3.40E-03	X
BW25113_1599	mdtI	0.0101	3.71E-03	X
BW25113_1390	paaC	0.0040	3.76E-03	X
BW25113_0385	yaiC	0.0095	3.96E-03	X
BW25113_3734	atpA	0.0330	4.54E-03	X
BW25113_1680	sufS	-0.0533	5.42E-03	
BW25113_3296	rpsD	-0.0272	5.44E-03	
BW25113_4219	msrA	-0.0052	5.53E-03	
BW25113_0547	ybcN	0.0361	6.35E-03	X
BW25113_4162	orn	-0.0482	6.45E-03	
BW25113_1124	potC	-0.0386	7.73E-03	
BW25113_3300	secY	0.0968	8.00E-03	X
BW25113_3631	waaG	-0.1030	8.00E-03	
BW25113_0639	nadD	-0.0993	8.05E-03	
BW25113_4555	yicS	-0.1142	8.54E-03	
BW25113_4352	yjiA	-0.0545	8.55E-03	
BW25113_4052	dnaB	-0.0718	8.70E-03	
BW25113_0635	mrdA	-0.0928	8.70E-03	
BW25113_4035	malK	-0.1284	9.58E-03	
BW25113_4123	dcuB	-0.0126	9.96E-03	
BW25113_4557	yidD	-0.1346	1.02E-02	
BW25113_0042	fixB	-0.1471	1.12E-02	
BW25113_3733	atpG	-0.1737	1.33E-02	
BW25113_0142	folK	-0.1737	1.33E-02	

BW25113_4539	yoeB	-0.1737	1.33E-02	
BW25113_2520	yfhM	-2.9503	1.40E-02	
BW25113_0341	cynX	-0.1919	1.46E-02	
BW25113_3407	yhgF	-0.1528	1.46E-02	
BW25113_2218	rcsC	-0.1812	1.46E-02	
BW25113_2260	menE	-0.1926	1.46E-02	
BW25113_2131	osmF	-0.0640	1.46E-02	
BW25113_4697	yrdF	-0.1436	1.46E-02	
BW25113_0733	cydA	-0.1946	1.46E-02	
BW25113_3701	dnaN	-0.1946	1.46E-02	
BW25113_2367	emrY	-0.1881	1.46E-02	
BW25113_3804	hemD	-0.1881	1.46E-02	
BW25113_2594	rluD	-0.1946	1.46E-02	
BW25113_3230	rpsI	-0.1881	1.46E-02	
BW25113_3560	glyQ	-0.1608	1.51E-02	
BW25113_0961	yccF	-0.2081	1.58E-02	
BW25113_0067	thiP	-0.2122	1.65E-02	
BW25113_0945	pyrD	-0.0637	1.65E-02	
BW25113_1865	nudB	-0.2025	1.69E-02	
BW25113_1945	fliM	-0.2247	1.76E-02	
BW25113_0713	ybgL	-0.2247	1.76E-02	
BW25113_0826	moeB	-0.2097	1.84E-02	
BW25113_2458	eutD	-0.2183	1.91E-02	
BW25113_0290	ecpD	-0.2485	2.13E-02	
BW25113_1844	exoX	0.1426	2.16E-02	X
BW25113_2549	yphG	-0.2458	2.34E-02	
BW25113_3429	glgA	-0.2594	2.37E-02	
BW25113_1184	umuC	-0.0942	2.37E-02	
BW25113_3271	yhdZ	-0.2696	2.45E-02	
BW25113_2222	atoA	-0.2519	2.63E-02	
BW25113_0647	ybeT	-0.2700	2.67E-02	
BW25113_0311	betA	-0.2860	2.79E-02	
BW25113_4147	efp	-0.2897	2.81E-02	
BW25113_1409	ynbB	-0.2897	2.81E-02	
BW25113_3038	ygiC	-0.2068	2.88E-02	
BW25113_1349	recT	0.0931	2.92E-02	X
BW25113_1807	tsaB	-0.2094	2.94E-02	
BW25113_0076	leuO	-0.3092	3.31E-02	
BW25113_3972	murB	-0.2570	3.34E-02	
BW25113_0962	helD	-0.3041	3.51E-02	
BW25113_0773	ybhB	-0.3088	3.65E-02	
BW25113_0734	cydB	-0.3384	3.98E-02	
BW25113_0340	cynS	-0.3338	4.03E-02	
BW25113_0468	ybaN	-0.3124	4.03E-02	
BW25113_0138	yadM	-0.3411	4.30E-02	

BW25113_0024	yaaY	-0.3519	4.33E-02		
BW25113_2470	acrD	-2.7672	4.73E-02		
BW25113_4231	yjfF	-0.3369	4.84E-02		
BW25113_4332	yjiJ	-0.3510	4.87E-02		

Phage P2	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	4.3365	3.54E-39	X	
	BW25113_0164	yaeI	1.6650	4.41E-11	X	
	BW25113_2179	yejE	1.4109	2.45E-09	X	
	BW25113_0075	leuL	1.3045	1.75E-08	X	
	BW25113_0497	rhsD	0.9226	2.77E-06	X	X
	BW25113_0099	mutT	1.3793	4.62E-06	X	
	BW25113_0215	dnaQ	0.9190	5.16E-06	X	
	BW25113_4392	slt	0.7888	1.22E-05	X	
	BW25113_2149	mglA	0.5560	1.35E-04	X	
	BW25113_3087	ygjR	0.5292	2.08E-04	X	
	BW25113_1390	paaC	0.4971	2.16E-04	X	
	BW25113_0569	nfrB	0.4970	2.23E-04	X	
	BW25113_0945	pyrD	0.5596	2.23E-04	X	
	BW25113_4199	yjfY	0.4684	2.82E-04	X	
	BW25113_2927	epd	0.4998	3.61E-04	X	
	BW25113_2260	menE	0.4123	4.28E-04	X	
	BW25113_0494	tesA	0.5085	4.28E-04	X	
	BW25113_1642	slyA	0.4186	6.05E-04	X	
	BW25113_1680	sufS	0.3573	6.05E-04	X	
	BW25113_4501	torI	0.3994	6.82E-04	X	
	BW25113_2186	yejK	0.5931	6.95E-04	X	
	BW25113_4520	ymgF	0.3478	6.95E-04	X	
	BW25113_4476	gntU	0.2988	9.26E-04	X	
	BW25113_2457	eutM	0.2573	1.55E-03	X	
	BW25113_2114	metG	0.2041	2.29E-03	X	
	BW25113_0171	pyrH	0.2583	2.65E-03	X	
	BW25113_4555	yicS	0.2146	2.66E-03	X	
	BW25113_2332	yfcO	0.1813	2.75E-03	X	
	BW25113_1583	ynfB	0.1774	3.36E-03	X	X
	BW25113_0101	yacG	0.1866	3.55E-03	X	
	BW25113_0468	ybaN	0.1465	3.55E-03	X	
	BW25113_2712	hypF	0.1568	3.71E-03	X	
	BW25113_0539	exoD	0.1845	3.81E-03	X	
	BW25113_3604	lldR	0.2229	3.81E-03	X	
	BW25113_4409	blr	0.1054	4.19E-03	X	
	BW25113_2172	yeiQ	0.2753	4.19E-03	X	
	BW25113_4313	fimE	0.1258	4.48E-03	X	

BW25113_2600	tyrA	0.0900	4.53E-03	X
BW25113_0773	ybhB	0.1005	4.64E-03	X
BW25113_2452	eutH	0.1092	4.73E-03	X
BW25113_3407	yhgF	0.1404	4.73E-03	X
BW25113_2733	mutS	0.0739	4.82E-03	X
BW25113_4216	ytfJ	0.0717	4.82E-03	X
BW25113_4138	dcuA	0.1268	5.13E-03	X
BW25113_0750	nadA	0.9679	5.13E-03	X
BW25113_0714	nei	0.1431	5.13E-03	X
BW25113_3620	waaF	0.1655	5.13E-03	X
BW25113_4352	yjiA	0.0604	5.13E-03	X
BW25113_2549	yphG	0.0536	5.13E-03	X
BW25113_2005	cbtA	0.0000	5.13E-03	
BW25113_0896	dmsC	0.0000	5.13E-03	
BW25113_0184	dnaE	0.0000	5.13E-03	
BW25113_3288	fmt	0.0000	5.13E-03	
BW25113_2036	glf	0.0000	5.13E-03	
BW25113_2231	gyrA	0.0000	5.13E-03	
BW25113_0440	hupB	0.0000	5.13E-03	
BW25113_0421	ispA	0.0000	5.13E-03	
BW25113_1139	lit	0.0000	5.13E-03	
BW25113_3635	mutM	0.0000	5.13E-03	
BW25113_2235	nrdB	0.0000	5.13E-03	
BW25113_1134	nudJ	0.0000	5.13E-03	
BW25113_2280	nuoJ	0.0000	5.13E-03	
BW25113_1714	pheS	0.0000	5.13E-03	
BW25113_2700	pncC	0.0000	5.13E-03	
BW25113_2165	psuG	0.0000	5.13E-03	
BW25113_3319	rplD	0.0000	5.13E-03	
BW25113_3987	rpoB	0.0000	5.13E-03	
BW25113_0911	rpsA	0.0000	5.13E-03	
BW25113_0023	rpsT	0.0000	5.13E-03	
BW25113_3929	rraA	0.0000	5.13E-03	
BW25113_2533	suhB	0.0000	5.13E-03	
BW25113_0436	tig	0.0000	5.13E-03	
BW25113_2791	truC	0.0000	5.13E-03	
BW25113_1774	ydjJ	0.0000	5.13E-03	
BW25113_2359	yfdP	0.0000	5.13E-03	
BW25113_3576	yiaL	0.0000	5.13E-03	
BW25113_1122	ymfA	0.0000	5.13E-03	
BW25113_4543	ypaA	0.0000	5.13E-03	
BW25113_1430	tehB	0.0533	6.03E-03	X
BW25113_2131	osmF	-0.0470	8.77E-03	
BW25113_3982	nusG	0.0635	9.86E-03	X
BW25113_3631	waaG	-0.0863	1.06E-02	

BW25113_0042	fixB	-0.0822	1.07E-02		
BW25113_1580	rspB	-0.0499	1.07E-02		
BW25113_0431	cyoB	0.0337	1.23E-02	X	
BW25113_3384	trpS	-0.0794	1.23E-02		
BW25113_1378	pfo	-0.0757	1.29E-02		
BW25113_1565	ydfV	-0.1091	1.33E-02		
BW25113_2429	murP	-0.0893	1.44E-02		
BW25113_1019	efeB	0.4506	1.53E-02	X	
BW25113_1856	mepM	-0.1360	1.61E-02		
BW25113_2797	sdaB	-0.0866	1.63E-02		
BW25113_4557	yidD	-0.1506	1.63E-02		
BW25113_1385	feaB	-0.0325	1.71E-02		
BW25113_1270	btuR	0.1368	1.82E-02	X	
BW25113_3733	atpG	-0.1737	1.84E-02		
BW25113_0142	folK	-0.1737	1.84E-02		
BW25113_3296	rpsD	-0.1737	1.84E-02		
BW25113_4539	yoeB	-0.1737	1.84E-02		
BW25113_3038	ygiC	-0.1735	1.85E-02		
BW25113_2937	speB	-0.1586	1.88E-02		
BW25113_2367	emrY	-0.1881	1.97E-02		
BW25113_3804	hemD	-0.1881	1.97E-02		
BW25113_3230	rpsI	-0.1881	1.97E-02		
BW25113_0733	cydA	-0.1946	1.99E-02		
BW25113_3701	dnaN	-0.1946	1.99E-02		
BW25113_4162	orn	-0.1946	1.99E-02		
BW25113_1845	ptrB	-0.1259	1.99E-02		
BW25113_2594	rluD	-0.1946	1.99E-02		
BW25113_4029	yjbH	0.8392	2.00E-02	X	X
BW25113_2521	sseA	0.0411	2.00E-02	X	
BW25113_3734	atpA	-0.2081	2.14E-02		
BW25113_0961	yccF	-0.2081	2.14E-02		
BW25113_0635	mrdA	-0.1653	2.21E-02		
BW25113_1645	ydhK	-0.0139	2.34E-02		
BW25113_1945	fliM	-0.2247	2.36E-02		
BW25113_0713	ybgL	-0.2247	2.36E-02		
BW25113_2218	rcsC	-0.1940	2.68E-02		
BW25113_1915	yecF	0.2892	2.76E-02	X	
BW25113_1511	lsrK	-0.1424	2.76E-02		
BW25113_3300	secY	-0.2048	2.85E-02		
BW25113_1659	ydhB	-0.0845	2.87E-02		
BW25113_3570	bax	-0.2099	2.91E-02		
BW25113_3726	pstA	-0.2667	3.11E-02		
BW25113_3271	yhdZ	-0.2696	3.16E-02		
BW25113_0604	dsbG	-0.2583	3.23E-02		
BW25113_3523	yhjE	-0.2461	3.23E-02		

BW25113_2543	yphA	-0.2706	3.24E-02		
BW25113_4231	yjfF	-0.1101	3.25E-02		
BW25113_4470	yhaM	-0.2246	3.26E-02		
BW25113_1343	dbpA	-0.2069	3.32E-02		
BW25113_1853	yebK	-0.2616	3.32E-02		
BW25113_4147	efp	-0.2897	3.40E-02		
BW25113_0076	leuO	-0.2209	3.40E-02		
BW25113_0143	pcnB	-3.0100	3.40E-02		
BW25113_1409	ynbB	-0.2897	3.40E-02		
BW25113_3429	glgA	-0.2829	3.91E-02		
BW25113_3001	gpr	-0.3108	4.09E-02		
BW25113_1218	chaC	-0.2827	4.20E-02		
BW25113_3745	viaA	-0.2656	4.20E-02		
BW25113_0220	ivy	0.9459	4.38E-02	X	
BW25113_0734	cydB		4.71E-02		

Phage 8S	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	3.9754	2.44E-38	X	
	BW25113_3620	waaF	3.0928	3.02E-27	X	
	BW25113_3404	envZ	2.5008	1.43E-20	X	
	BW25113_2215	ompC	2.0879	7.32E-16	X	X
	BW25113_0164	yaeI	1.8259	2.62E-14	X	
	BW25113_0200	gmhB	1.6088	1.13E-12	X	
	BW25113_2179	yejE	1.0540	2.76E-08	X	
	BW25113_0075	leuL	0.8202	6.36E-07	X	
	BW25113_2249	yfaY	0.8052	6.50E-07	X	
	BW25113_0497	rhsD	0.6376	1.51E-05	X	X
	BW25113_4199	yjfY	0.5819	2.58E-05	X	
	BW25113_4392	slt	0.4776	4.78E-05	X	
	BW25113_4543	ypaA	0.8079	7.78E-05	X	
	BW25113_0215	dnaQ	0.7064	1.50E-04	X	
	BW25113_0896	dmsC	0.5028	2.72E-04	X	
	BW25113_2114	metG	0.3956	2.72E-04	X	
	BW25113_3405	ompR	2.5701	3.97E-04	X	
	BW25113_2149	mglA	0.2768	4.77E-04	X	
	BW25113_4476	gntU	0.2722	7.15E-04	X	
	BW25113_4409	blr	0.2446	7.86E-04	X	
	BW25113_2165	psuG	0.2606	7.86E-04	X	
	BW25113_1390	paaC	0.2127	1.09E-03	X	
	BW25113_1680	sufS	0.1601	1.18E-03	X	
	BW25113_4216	ytfJ	0.8410	1.32E-03	X	
	BW25113_0042	fixB	0.1519	1.35E-03	X	
	BW25113_3982	nusG	0.1469	1.35E-03	X	

BW25113_4501	torI	0.2929	1.35E-03	X	
BW25113_3384	trpS	0.1945	1.35E-03	X	
BW25113_0468	ybaN	0.2230	1.35E-03	X	
BW25113_0547	ybcN	0.1875	1.35E-03	X	
BW25113_3631	waaG	0.1398	1.43E-03	X	
BW25113_2218	rcsC	0.1345	1.47E-03	X	
BW25113_1583	ynfB	0.0760	1.69E-03	X	X
BW25113_2005	cbtA	0.0000	1.69E-03		
BW25113_0184	dnaE	0.0000	1.69E-03		
BW25113_2927	epd	0.1121	1.69E-03	X	
BW25113_3288	fmt	0.0000	1.69E-03		
BW25113_2036	glf	0.0000	1.69E-03		
BW25113_2231	gyrA	0.0000	1.69E-03		
BW25113_0440	hupB	0.0000	1.69E-03		
BW25113_0421	ispA	0.0000	1.69E-03		
BW25113_1139	lit	0.0000	1.69E-03		
BW25113_3635	mutM	0.0000	1.69E-03		
BW25113_0099	mutT	0.2664	1.69E-03	X	
BW25113_2235	nrdB	0.0000	1.69E-03		
BW25113_1134	nudJ	0.0000	1.69E-03		
BW25113_2280	nuoJ	0.0000	1.69E-03		
BW25113_1714	pheS	0.0000	1.69E-03		
BW25113_2700	pncC	0.0000	1.69E-03		
BW25113_0945	pyrD	0.1073	1.69E-03	X	
BW25113_3319	rplD	0.0000	1.69E-03		
BW25113_3987	rpoB	0.0000	1.69E-03		
BW25113_0911	rpsA	0.0000	1.69E-03		
BW25113_0023	rpsT	0.0000	1.69E-03		
BW25113_3929	rraA	0.0000	1.69E-03		
BW25113_2533	suhB	0.0000	1.69E-03		
BW25113_0436	tig	0.0000	1.69E-03		
BW25113_2791	truC	0.0000	1.69E-03		
BW25113_0101	yacG	0.0000	1.69E-03		
BW25113_1774	ydjJ	0.0000	1.69E-03		
BW25113_2186	yejK	0.0000	1.69E-03		
BW25113_2359	yfdP	0.0000	1.69E-03		
BW25113_3576	yiaL	0.0000	1.69E-03		
BW25113_4557	yidD	0.0912	1.69E-03	X	
BW25113_1122	ymfA	0.0000	1.69E-03		
BW25113_3324	gspC	0.2030	1.98E-03	X	
BW25113_1218	chaC	0.1045	2.27E-03	X	
BW25113_3038	ygiC	0.0298	2.39E-03	X	
BW25113_0569	nfrB	0.0549	2.43E-03	X	
BW25113_4352	yjiA	0.0197	2.81E-03	X	
BW25113_2260	menE	-0.0569	3.20E-03		

BW25113_1642	slyA	-0.0413	3.62E-03		
BW25113_4245	pyrB	0.1810	3.99E-03	X	
BW25113_1599	mdtI	-0.0783	4.39E-03		
BW25113_1990	ldtA	-0.0185	4.86E-03		
BW25113_0410	yajD	-0.0780	5.42E-03		
BW25113_0494	tesA	-0.0893	5.66E-03		
BW25113_4035	malK	-0.1008	5.66E-03		
BW25113_1349	recT	0.2430	6.77E-03	X	
BW25113_3733	atpG	-0.1737	7.01E-03		
BW25113_0142	folK	-0.1737	7.01E-03		
BW25113_0171	pyrH	-0.1737	7.01E-03		
BW25113_3296	rpsD	-0.1737	7.01E-03		
BW25113_3813	uvrD	-0.1561	7.01E-03		
BW25113_3568	xylH	-0.1158	7.01E-03		
BW25113_4539	yoeB	-0.1737	7.01E-03		
BW25113_4520	ymgF	-0.1728	7.08E-03		
BW25113_2367	emrY	-0.1881	7.61E-03		
BW25113_3804	hemD	-0.1881	7.61E-03		
BW25113_3230	rpsI	-0.1881	7.61E-03		
BW25113_0733	cydA	-0.1946	7.65E-03		
BW25113_3701	dnaN	-0.1946	7.65E-03		
BW25113_0714	nei	-0.1946	7.65E-03		
BW25113_4162	orn	-0.1946	7.65E-03		
BW25113_2594	rluD	-0.1946	7.65E-03		
BW25113_3734	atpA	-0.2081	8.42E-03		
BW25113_0961	yccF	-0.2081	8.42E-03		
BW25113_1614	ydgA	-0.1384	8.42E-03		
BW25113_1270	btuR	-0.0945	9.30E-03		
BW25113_1945	fliM	-0.2247	9.31E-03		
BW25113_0345	lacI	0.9846	9.31E-03	X	
BW25113_0713	ybgL	-0.2247	9.31E-03		
BW25113_1498	ydeN	-0.1989	9.31E-03		
BW25113_4055	aphA	-0.0058	1.03E-02		
BW25113_3604	lldR	-0.1257	1.03E-02		
BW25113_1378	pfo	-0.1907	1.03E-02		
BW25113_2204	napH	-0.2086	1.30E-02		
BW25113_3726	pstA	-0.2667	1.30E-02		
BW25113_3630	waaP	-0.2534	1.30E-02		
BW25113_3271	yhdZ	-0.2696	1.30E-02		
BW25113_3083	higB	-0.2274	1.42E-02		
BW25113_0805	fiu	-0.2191	1.49E-02		X
BW25113_4147	efp	-0.2897	1.49E-02		
BW25113_1409	ynbB	-0.2897	1.49E-02		
BW25113_1704	aroH	-0.0971	1.49E-02		
BW25113_0773	ybhB	-0.2344	1.62E-02		

BW25113_3960	argH	-0.0962	1.83E-02		
BW25113_1530	marR	0.4575	2.09E-02	X	
BW25113_3502	arsB	-0.2462	2.11E-02		
BW25113_0734	cydB	-0.3384	2.11E-02		
BW25113_0394	mak	-0.2918	2.11E-02		
BW25113_3908	sodA	-0.2738	2.11E-02		
BW25113_2199	ccmC	-0.3297	2.15E-02		
BW25113_4037	malM	-0.1421	2.30E-02		
BW25113_0635	mrdA	-0.3519	2.30E-02		
BW25113_0024	yaaY	-0.3519	2.30E-02		
BW25113_0076	leuO	-0.1996	2.51E-02		
BW25113_0162	cdaR	-0.2717	2.57E-02		
BW25113_3912	cpxR	-0.3074	2.57E-02		
BW25113_4470	yhaM	-0.3661	2.57E-02		
BW25113_4403	yjtD	-0.3763	2.69E-02		
BW25113_0114	aceE	-0.3181	2.74E-02		
BW25113_3287	def	-0.2900	2.74E-02		
BW25113_2131	osmF	-0.2922	2.74E-02		
BW25113_1853	yebK	-0.3564	2.74E-02		
BW25113_2582	trxC	-0.3875	2.84E-02		
BW25113_3335	gspO	-0.2630	2.87E-02		
BW25113_3300	secY	-0.3914	2.89E-02		
BW25113_1184	umuC	-0.2902	2.92E-02		
BW25113_0593	entC	-0.4024	3.11E-02		
BW25113_2521	sseA	-0.3345	3.15E-02		
BW25113_3930	menA	-0.3985	3.15E-02		
BW25113_4036	lamB	1.3643	3.16E-02	X	X
BW25113_2937	speB	-0.2573	3.16E-02		
BW25113_3429	glgA	-0.3371	3.20E-02		
BW25113_4538	yoeF	0.0492	3.32E-02	X	
BW25113_3716	cbrB	-0.4241	3.53E-02		
BW25113_4052	dnaB	-0.4260	3.56E-02		
BW25113_2428	murQ	-0.4270	3.56E-02		
BW25113_3087	ygjR	-0.0162	3.68E-02		
BW25113_3177	folP	-0.4378	3.79E-02		
BW25113_1664	ydhQ	1.0585	3.79E-02	X	
BW25113_2520	yfhM	-2.9503	3.79E-02		
BW25113_1107	nagZ	-0.4277	3.88E-02		
BW25113_2804	fucU	-0.4447	3.93E-02		
BW25113_3005	exbD	-0.4525	4.13E-02		
BW25113_4527	ydaF	-0.4525	4.13E-02		
BW25113_2818	argA	-0.4586	4.45E-02		
BW25113_2842	kduD	-0.2762	4.45E-02		
BW25113_3972	murB	-0.4672	4.54E-02		
BW25113_1236	galU	-0.3743	4.54E-02		

	BW25113_2800	fucA	-0.4690	4.55E-02		
	BW25113_0843	ybjH	-0.4724	4.64E-02		
	BW25113_1815	yoaD	-0.4813	4.98E-02		

Phage EC35	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	3.2814	2.50E-29	X	
	BW25113_3418	malT	2.6147	2.56E-22	X	
	BW25113_4036	lamB	2.4690	8.22E-21	X	X
	BW25113_3620	waaF	3.0609	4.38E-20	X	
	BW25113_2215	ompC	2.3283	3.27E-19	X	X
	BW25113_3405	ompR	3.0288	5.03E-17	X	
	BW25113_0108	ppdD	2.6279	8.73E-17	X	
	BW25113_4480	hdfR	1.7929	1.32E-14	X	
	BW25113_4553	ysaB	2.4675	1.39E-13	X	
	BW25113_0164	yaeI	1.6419	4.51E-13	X	
	BW25113_3404	envZ	2.3776	8.71E-11	X	
	BW25113_0130	yadE	1.7966	2.48E-07	X	
	BW25113_2626	yfjJ	0.8250	2.41E-06	X	
	BW25113_0023	rpsT	0.9015	3.62E-06	X	
	BW25113_1658	purR	1.3322	1.42E-05	X	
	BW25113_1274	topA	0.7661	1.80E-05	X	
	BW25113_2114	metG	0.5822	1.84E-05	X	
	BW25113_3631	waaG	0.5112	2.88E-05	X	
	BW25113_1904	yecR	0.4854	3.12E-05	X	
	BW25113_3982	nusG	0.4389	3.86E-05	X	
	BW25113_4392	slt	0.3944	5.79E-05	X	
	BW25113_0650	hscC	0.5983	5.97E-05	X	
	BW25113_0114	aceE	0.9530	7.55E-05	X	
	BW25113_4409	blr	0.3213	1.53E-04	X	
	BW25113_0042	fixB	0.3645	1.53E-04	X	
	BW25113_2095	gatZ	0.7684	1.53E-04	X	
	BW25113_2231	gyrA	0.4801	1.53E-04	X	
	BW25113_4035	malK	0.3139	1.53E-04	X	
	BW25113_2733	mutS	0.7227	1.53E-04	X	
	BW25113_0410	yajD	0.3574	1.79E-04	X	
	BW25113_2218	rcsC	0.3168	2.11E-04	X	
	BW25113_3288	fmt	0.3633	2.17E-04	X	
	BW25113_0421	ispA	0.3633	2.17E-04	X	
	BW25113_3384	trpS	0.2688	2.47E-04	X	
	BW25113_4557	yidD	0.2671	2.72E-04	X	
	BW25113_2179	yejE	0.2486	2.91E-04	X	
	BW25113_1599	mdtI	0.3318	2.93E-04	X	
	BW25113_0219	yafV	0.3760	3.04E-04	X	

BW25113_3038	ygiC	0.3059	3.07E-04	X	
BW25113_1236	galU	0.5666	3.12E-04	X	
BW25113_4222	ytfP	0.7607	3.36E-04	X	
BW25113_0075	leuL	0.1871	4.59E-04	X	
BW25113_0497	rhsD	0.4971	6.23E-04	X	X
BW25113_0215	dnaQ	0.2133	6.26E-04	X	
BW25113_4476	gntU	0.1621	7.38E-04	X	
BW25113_0171	pyrH	0.2472	8.22E-04	X	
BW25113_1218	chaC	0.1291	8.35E-04	X	
BW25113_1680	sufS	0.0870	9.54E-04	X	
BW25113_1990	ldtA	0.0996	1.03E-03	X	
BW25113_1614	ydgA	0.1309	1.05E-03	X	
BW25113_1448	mnaT	0.2066	1.09E-03	X	
BW25113_3560	glyQ	0.1434	1.15E-03	X	
BW25113_3568	xylH	0.1406	1.15E-03	X	
BW25113_2005	cbtA	0.0000	1.15E-03		
BW25113_0896	dmsC	0.0000	1.15E-03		
BW25113_0184	dnaE	0.0000	1.15E-03		
BW25113_2036	glf	0.0000	1.15E-03		
BW25113_0440	hupB	0.0000	1.15E-03		
BW25113_1139	lit	0.0000	1.15E-03		
BW25113_3635	mutM	0.0000	1.15E-03		
BW25113_2235	nrdB	0.0000	1.15E-03		
BW25113_1134	nudJ	0.0000	1.15E-03		
BW25113_2280	nuoJ	0.0000	1.15E-03		
BW25113_1714	pheS	0.0000	1.15E-03		
BW25113_2700	pncC	0.0000	1.15E-03		
BW25113_2165	psuG	0.0000	1.15E-03		
BW25113_3319	rplD	0.0000	1.15E-03		
BW25113_3987	rpoB	0.0000	1.15E-03		
BW25113_0911	rpsA	0.0000	1.15E-03		
BW25113_3929	rraA	0.0000	1.15E-03		
BW25113_2533	suhB	0.0000	1.15E-03		
BW25113_0436	tig	0.0000	1.15E-03		
BW25113_2791	truC	0.0000	1.15E-03		
BW25113_0101	yacG	0.0000	1.15E-03		
BW25113_1774	ydjJ	0.0000	1.15E-03		
BW25113_2186	yejK	0.0000	1.15E-03		
BW25113_2359	yfdP	0.0000	1.15E-03		
BW25113_3576	yiaL	0.0000	1.15E-03		
BW25113_1122	ymfA	0.0000	1.15E-03		
BW25113_4543	ypaA	0.0000	1.15E-03		
BW25113_3908	sodA	0.4027	1.87E-03	X	
BW25113_0635	mrdA	0.1287	2.27E-03	X	
BW25113_3087	ygjR	0.1052	2.72E-03	X	

BW25113_2936	loiP	2.4188	3.10E-03	X	X
BW25113_0260	mmuP	0.0898	3.14E-03	X	
BW25113_3912	cpxR	-0.0429	3.15E-03		
BW25113_0121	speE	0.4085	3.28E-03	X	
BW25113_3502	arsB	-0.0572	4.65E-03		
BW25113_3972	murB	0.0912	4.71E-03	X	
BW25113_0335	prpE	0.7246	4.85E-03	X	
BW25113_3300	secY	-0.0280	5.02E-03		
BW25113_4199	yjfY	-0.1308	5.26E-03		
BW25113_3733	atpG	-0.1737	5.28E-03		
BW25113_1270	btuR	-0.1532	5.28E-03		
BW25113_0142	folK	-0.1737	5.28E-03		
BW25113_3296	rpsD	-0.1737	5.28E-03		
BW25113_2407	xapA	-0.1464	5.28E-03		
BW25113_4539	yoeB	-0.1737	5.28E-03		
BW25113_1968	yedV	0.3252	5.82E-03	X	
BW25113_2367	emrY	-0.1881	5.82E-03		
BW25113_3804	hemD	-0.1881	5.82E-03		
BW25113_3230	rpsI	-0.1881	5.82E-03		
BW25113_3743	asnC	-0.1803	5.84E-03		
BW25113_0733	cydA	-0.1946	5.84E-03		
BW25113_3701	dnaN	-0.1946	5.84E-03		
BW25113_0714	nei	-0.1946	5.84E-03		
BW25113_4162	orn	-0.1946	5.84E-03		
BW25113_2594	rluD	-0.1946	5.84E-03		
BW25113_3734	atpA	-0.2081	6.50E-03		
BW25113_0961	yccF	-0.2081	6.50E-03		
BW25113_0120	speD	0.1479	7.05E-03	X	
BW25113_1945	fliM	-0.2247	7.37E-03		
BW25113_0713	ybgL	-0.2247	7.37E-03		
BW25113_2222	atoA	-0.2179	8.26E-03		
BW25113_3726	pstA	-0.2667	1.06E-02		
BW25113_3271	yhdZ	-0.2696	1.08E-02		
BW25113_0639	nadD	-0.0344	1.14E-02		
BW25113_4147	efp	-0.2897	1.26E-02		
BW25113_1409	ynbB	-0.2897	1.26E-02		
BW25113_0099	mutT	-0.1668	1.32E-02		
BW25113_0237	pepD	-0.1487	1.43E-02		
BW25113_2810	csdA	0.7828	1.60E-02	X	
BW25113_1184	umuC	1.1050	1.74E-02	X	
BW25113_3504	yhiS	-0.0292	1.78E-02		
BW25113_0734	cydB	-0.3384	1.83E-02		
BW25113_0073	leuB	-0.2768	1.83E-02		
BW25113_3429	glgA	-0.3221	1.90E-02		
BW25113_3823	rhtC	-0.2904	1.93E-02		

BW25113_2149	mglA	-0.2116	1.96E-02		
BW25113_0024	yaaY	-0.3519	1.97E-02		
BW25113_0894	dmsA	1.0290	2.08E-02	X	
BW25113_1349	recT	-0.3226	2.13E-02		
BW25113_4403	yjtD	-0.3763	2.36E-02		
BW25113_0207	dkgB	0.5292	2.38E-02	X	
BW25113_1487	ddpA	-0.0636	2.40E-02		
BW25113_0076	leuO	-0.3559	2.44E-02		
BW25113_2582	trxC	-0.3875	2.50E-02		
BW25113_0288	ykgJ	-0.3806	2.50E-02		
BW25113_0162	cdaR	-0.3908	2.59E-02		
BW25113_3630	waaP	-0.1275	2.64E-02		
BW25113_0593	entC	-0.4024	2.77E-02		
BW25113_1530	marR	-0.3252	2.86E-02		
BW25113_1739	osmE	-0.0182	2.91E-02		
BW25113_3716	cbrB	-0.4241	3.23E-02		
BW25113_4052	dnaB	-0.4260	3.26E-02		
BW25113_2428	murQ	-0.4270	3.26E-02		
BW25113_3549	tag	-0.2447	3.45E-02		
BW25113_3177	folP	-0.4378	3.51E-02		
BW25113_2804	fucU	-0.4447	3.69E-02		
BW25113_0331	prpB	0.0048	3.75E-02	X	
BW25113_3005	exbD	-0.4525	3.80E-02		
BW25113_2328	mepA	-0.4066	3.80E-02		
BW25113_1642	slyA	-0.3084	3.80E-02		
BW25113_4527	ydaF	-0.4525	3.80E-02		
BW25113_0139	htrE	-0.2633	3.99E-02		X
BW25113_2800	fucA	-0.4690	4.27E-02		
BW25113_0843	ybjH	-0.4724	4.36E-02		
BW25113_4357	yjjM	-0.4297	4.51E-02		
BW25113_1807	tsaB	-0.4860	4.78E-02		
BW25113_1478	adhP	0.2591	4.83E-02	X	

Phage EC14	Gene ID	Gene Name	A = log[A_O/A_I]	Q-Value	Output Enriched	Membrane
	BW25113_0439	lon	3.9323	2.24E-41	X	
	BW25113_3418	malT	2.5993	3.24E-23	X	
	BW25113_4036	lamB	2.4990	1.47E-22	X	X
	BW25113_2215	ompC	2.3921	3.74E-21	X	X
	BW25113_0164	yaeI	1.5737	2.89E-13	X	
	BW25113_3405	ompR	2.7680	4.18E-13	X	
	BW25113_2179	yejE	0.9966	6.62E-09	X	
	BW25113_0075	leuL	0.9006	2.70E-08	X	
	BW25113_3620	waaF	1.3820	1.73E-06	X	

BW25113_0497	rhsD	0.4795	1.56E-05	X	X
BW25113_4199	yjfY	0.4355	2.25E-05	X	
BW25113_4392	slt	0.4324	3.19E-05	X	
BW25113_2791	truC	0.6894	4.66E-05	X	
BW25113_2149	mglA	0.2671	2.83E-04	X	
BW25113_3319	rplD	0.2752	4.00E-04	X	
BW25113_4520	ymgF	0.1850	4.28E-04	X	
BW25113_3288	fmt	0.2324	4.42E-04	X	
BW25113_0098	secA	0.3102	4.42E-04	X	
BW25113_3982	nusG	0.1142	7.77E-04	X	
BW25113_1270	btuR	0.1959	8.58E-04	X	
BW25113_2927	epd	0.0680	1.01E-03	X	
BW25113_4476	gntU	0.1084	1.01E-03	X	
BW25113_3324	gspC	0.1980	1.01E-03	X	
BW25113_4035	malK	0.0025	1.01E-03	X	
BW25113_2733	mutS	0.3452	1.01E-03	X	
BW25113_2005	cbtA	0.0000	1.01E-03		
BW25113_0896	dmsC	0.0000	1.01E-03		
BW25113_0184	dnaE	0.0000	1.01E-03		
BW25113_2036	glf	0.0000	1.01E-03		
BW25113_2231	gyrA	0.0000	1.01E-03		
BW25113_0440	hupB	0.0000	1.01E-03		
BW25113_0421	ispA	0.0000	1.01E-03		
BW25113_1139	lit	0.0000	1.01E-03		
BW25113_3635	mutM	0.0000	1.01E-03		
BW25113_2235	nrdB	0.0000	1.01E-03		
BW25113_1134	nudJ	0.0000	1.01E-03		
BW25113_2280	nuoJ	0.0000	1.01E-03		
BW25113_1714	pheS	0.0000	1.01E-03		
BW25113_2700	pncC	0.0000	1.01E-03		
BW25113_2165	psuG	0.0000	1.01E-03		
BW25113_3987	rpoB	0.0000	1.01E-03		
BW25113_0911	rpsA	0.0000	1.01E-03		
BW25113_0023	rpsT	0.0000	1.01E-03		
BW25113_3929	rraA	0.0000	1.01E-03		
BW25113_2533	suhB	0.0000	1.01E-03		
BW25113_0436	tig	0.0000	1.01E-03		
BW25113_0101	yacG	0.0000	1.01E-03		
BW25113_1774	ydjJ	0.0000	1.01E-03		
BW25113_2186	yejK	0.0000	1.01E-03		
BW25113_2359	yfdP	0.0000	1.01E-03		
BW25113_3576	yiaL	0.0000	1.01E-03		
BW25113_1122	ymfA	0.0000	1.01E-03		
BW25113_4543	ypaA	0.0000	1.01E-03		
BW25113_2114	metG	-0.0052	1.06E-03		

BW25113_1680	sufS	-0.0047	1.18E-03			
BW25113_0569	nfrB	-0.0265	1.31E-03			
BW25113_1642	slyA	-0.0294	1.96E-03			
BW25113_4409	blr	-0.0697	2.00E-03			
BW25113_1378	pfo	-0.0066	2.14E-03			
BW25113_0494	tesA	0.0205	2.16E-03	X		
BW25113_0547	ybcN	0.1044	2.16E-03	X		
BW25113_3384	trpS	-0.0741	2.30E-03			
BW25113_2260	menE	-0.0857	2.60E-03			
BW25113_3644	yicC	-0.0733	2.60E-03			
BW25113_3733	atpG	-0.1737	4.82E-03			
BW25113_0142	folK	-0.1737	4.82E-03			
BW25113_0171	pyrH	-0.1737	4.82E-03			
BW25113_3296	rpsD	-0.1737	4.82E-03			
BW25113_4539	yoeB	-0.1737	4.82E-03			
BW25113_0733	cydA	-0.1946	5.19E-03			
BW25113_3701	dnaN	-0.1946	5.19E-03			
BW25113_2367	emrY	-0.1881	5.19E-03			
BW25113_0042	fixB	-0.1857	5.19E-03			
BW25113_3804	hemD	-0.1881	5.19E-03			
BW25113_4037	malM	-0.1213	5.19E-03			
BW25113_0714	nei	-0.1946	5.19E-03			
BW25113_4162	orn	-0.1946	5.19E-03			
BW25113_2594	rluD	-0.1946	5.19E-03			
BW25113_3230	rpsI	-0.1881	5.19E-03			
BW25113_3604	lldR	-0.1938	5.43E-03			
BW25113_3734	atpA	-0.2081	5.71E-03			
BW25113_0961	yccF	-0.2081	5.71E-03			
BW25113_2218	rcsC	-0.2139	6.06E-03			
BW25113_1945	fliM	-0.2247	6.49E-03			
BW25113_0713	ybgL	-0.2247	6.49E-03			
BW25113_1583	ynfB	-0.1921	7.21E-03			X
BW25113_1487	ddpA	-0.1431	7.23E-03			
BW25113_3404	envZ	2.0894	7.49E-03	X		
BW25113_1806	yeaY	-0.2066	8.07E-03			
BW25113_1218	chaC	-0.2496	8.87E-03			
BW25113_3726	pstA	-0.2667	9.07E-03			
BW25113_3271	yhdZ	-0.2696	9.23E-03			
BW25113_4557	yidD	-0.2733	9.59E-03			
BW25113_4470	yhaM	-0.2338	1.03E-02			
BW25113_4029	yjbH	-0.2254	1.04E-02			X
BW25113_4147	efp	-0.2897	1.05E-02			
BW25113_0076	leuO	-0.2686	1.05E-02			
BW25113_1409	ynbB	-0.2897	1.05E-02			
BW25113_0410	yajD	-0.2859	1.10E-02			

BW25113_2797	sdaB	-0.2177	1.15E-02		
BW25113_3908	sodA	-0.2181	1.18E-02		
BW25113_3407	yhgF	-0.2328	1.26E-02		
BW25113_1430	tehB	-0.2979	1.30E-02		
BW25113_3631	waaG	-0.3168	1.33E-02		
BW25113_0112	aroP	0.6610	1.33E-02	X	
BW25113_0052	pdxA	-0.2930	1.33E-02		
BW25113_0734	cydB	-0.3384	1.50E-02		
BW25113_0805	fiu	-0.3359	1.53E-02		X
BW25113_3094	exuR	0.0224	1.54E-02	X	
BW25113_2452	eutH	-0.2842	1.55E-02		
BW25113_3038	ygiC	-0.3405	1.56E-02		
BW25113_0635	mrdA	-0.3519	1.61E-02		
BW25113_0024	yaaY	-0.3519	1.61E-02		
BW25113_1681	sufD	-0.3256	1.67E-02		
BW25113_0468	ybaN	-0.2806	1.69E-02		
BW25113_1390	paaC	-0.3521	1.75E-02		
BW25113_3087	ygjR	0.0745	1.83E-02	X	
BW25113_1599	mdtI	-0.3709	1.89E-02		
BW25113_1614	ydgA	-0.3761	1.89E-02		
BW25113_4403	yjtD	-0.3763	1.89E-02		
BW25113_1990	ldtA	-0.3762	1.92E-02		
BW25113_2582	trxC	-0.3875	2.04E-02		
BW25113_2549	yphG	-0.3799	2.05E-02		
BW25113_4213	cpdB	-2.9849	2.06E-02		
BW25113_3300	secY	-0.3914	2.06E-02		
BW25113_2818	argA	-0.3478	2.06E-02		
BW25113_2600	tyrA	-0.3577	2.09E-02		
BW25113_1580	rspB	-0.3816	2.20E-02		
BW25113_0593	entC	-0.4024	2.20E-02		
BW25113_1107	nagZ	-0.3379	2.29E-02		
BW25113_3716	cbrB	-0.4241	2.61E-02		
BW25113_4052	dnaB	-0.4260	2.63E-02		
BW25113_2428	murQ	-0.4270	2.63E-02		
BW25113_4216	ytfJ	-0.4163	2.63E-02		
BW25113_3568	xylH	-0.4283	2.68E-02		
BW25113_1783	yeaG	-0.4146	2.79E-02		
BW25113_3177	folP	-0.4378	2.81E-02		
BW25113_2804	fucU	-0.4447	2.95E-02		
BW25113_0099	mutT	-0.3041	2.95E-02		
BW25113_3005	exbD	-0.4525	3.08E-02		
BW25113_4527	ydaF	-0.4525	3.08E-02		
BW25113_0647	ybeT	-0.3158	3.24E-02		
BW25113_4501	torI	-0.3955	3.32E-02		
BW25113_0773	ybhB	-0.4452	3.35E-02		

BW25113_3972	murB	-0.4672	3.39E-02		
BW25113_4055	aphA	-0.3542	3.41E-02		
BW25113_2800	fucA	-0.4690	3.41E-02		
BW25113_0843	ybjH	-0.4724	3.47E-02		
BW25113_0215	dnaQ	0.2395	3.52E-02	X	
BW25113_3523	yhjE	-0.4586	3.53E-02		
BW25113_1853	yebK	-0.4660	3.55E-02		
BW25113_4130	dtpC	-2.8970	3.56E-02		
BW25113_4231	yjfF	-0.4643	3.60E-02		
BW25113_3560	glyQ	-0.4855	3.71E-02		
BW25113_1807	tsaB	-0.4860	3.71E-02		
BW25113_3357	crp	-0.4944	3.95E-02		
BW25113_0260	mmuP	-0.3479	3.96E-02		
BW25113_4697	yrdF	-0.4979	4.01E-02		
BW25113_0036	caiD	-0.4995	4.04E-02		
BW25113_3001	gpr	-0.4526	4.15E-02		
BW25113_2131	osmF	-0.4967	4.22E-02		
BW25113_4538	yoeF	-0.1952	4.22E-02		
BW25113_2917	scpA	-2.8651	4.31E-02		
BW25113_0061	araD	-0.4877	4.31E-02		
BW25113_1056	yceI	-0.5154	4.42E-02		
BW25113_1448	mnaT	-0.5170	4.45E-02		
BW25113_3173	yhbX	-2.8578	4.46E-02		
BW25113_0114	aceE	-0.2883	4.59E-02		
BW25113_1631	rsxG	-0.5266	4.72E-02		X
BW25113_0628	lipA	-0.5273	4.72E-02		
BW25113_1775	ydjK	-0.5225	4.73E-02		
BW25113_2831	mutH	-0.5221	4.86E-02		
BW25113_1542	ydfI	-0.4650	4.86E-02		
BW25113_2924	mscS	-0.4791	4.90E-02		
BW25113_0108	ppdD	-0.4798	4.96E-02		
BW25113_0385	yaiC	-0.4800	4.96E-02		
BW25113_2555	yfhG	-0.5344	4.96E-02		