

											Water		Theanine		Water		Glutamate(20170411)				
G/3	T/3	Gene length	168			Function	Product	Name	Chromosome	Region	RPKM	Unique gene reads	RPKM	Unique gene reads	RPKM+0.01	RPKM+0.01	T/3	RPKM(+0.01)	Unique gene reads	G/T	G/3
1.36532508	3.7374613	2418	nasD	ResD regulon, SigA regulon, TnrA regulon, NsrR regulon, Fur regulon	nitrite reductase large subunit	utilization of nitrite as nitrogen source	assimilatory nitrite reductase (subunit)	B4U62_RS019	Bacillus subtilis	complement(48.44	1384	181.07	5519	48.45	181.08	3.74	66.15	2801	0.36530815	1.36532508
1.31325301	29.3903614	1206	nasA	TnrA regulon	NarK family nitrate/nitrite MFS transporter	nitrate uptake	nitrate transporter	B4U62_RS019	Bacillus subtilis	362980..3641	4.14	59	121.96	1854	4.15	121.97	29.39	5.45	115	0.04468312	1.31325301
1.26286924	5.0533232	546	iseA	WalR regulon	hypothetical protein	protection against cell envelope stress	inhibitor of autolysins	B4U62_RS099	Bacillus subtilis	2002669..200	184.15	1188	930.61	6405	184.16	930.62	5.05	232.57	2224	0.24990866	1.26286924
1.06970509	16.0442359	1455	yrbD	TnrA regulon	sodium:alanine symporter	uptake of alanine	sodium/proton-dependent alanine transporter	B4U62_RS150	Bacillus subtilis	2841629..284	7.45	128	119.68	2195	7.46	119.69	16.04	7.98	203	0.06667224	1.06970509
0.9487901	10.8255487	1596	pucR	sigA regulon, TnrA regulon, PucR regulon	purine catabolism regulatory protein	regulation of purine utilization	transcriptional regulator of puc genes (PucR family)	B4U62_RS175	Bacillus subtilis	3328777..333	17.76	335	192.36	3870	17.77	192.37	10.83	16.86	471	0.0876436	0.9487901
0.59593545	37.739988	1215	amtB	SigA regulon, TnrA regulon	ammonium transporter NrgA	ammonium uptake	ammonium transporter	B4U62_RS196	Bacillus subtilis	3756828..375	16.72	240	631.38	9670	16.73	631.39	37.74	9.97	212	0.01579056	0.59593545
0.44987633	15.9161938	351	glnK		nitrogen regulatory PII-like protein	regulation of the glnA-glnT operon	two-component sensor kinase	B4U62_RS196	Bacillus subtilis	3758054..375	68.72	285	1,093.91	4840	68.73	1093.92	15.92	30.92	190	0.02826532	0.44987633
0.55280189	3.22131018	318	ureA	SigA regulon, PucR regulon, GlnR regulon, TnrA regulon, CodY regulon, SigH regulon	urease subunit gamma	utilization of urea as alternative nitrogen source	urease (gamma subunit)	B4U62_RS197	Bacillus subtilis	complement(63.34	238	204.06	818	63.35	204.07	3.22	35.02	195	0.17160778	0.55280189