

Ply Expression Determined by ELISA

Sample #	MNZ67	PIP01
1	0.331	0.209
1	0.329	0.211
1	0.436	0.21
2	0.358	0.25
2	0.353	0.244
2	0.324	0.245
3	0.341	0.302
3	0.394	0.331
3	0.371	0.308

Average

1	0.3653333333	0.2566666667
2	0.345	0.2463333333
3	0.3686666667	0.3136666667

Percent Expression Releative to WT

	67 PIP01
100	70.25547445
100	71.4009662
100	85.08137

Hemolysis Assay	Triton X-114	MNZ67	PIP01
1	0.475	0.468	
1	0.441	0.459	
1	0.461	0.477	
2	0.459	0.46	
2	0.453	0.452	
2	0.459	0.445	
3	0.443	0.435	
3	0.427	0.469	
3	0.462	0.441	
Average			
1	0.459	0.4562222222	
2	0.457	0.4523333333	
3	0.444	0.4483333333	

Percent Hemolysis Relative to + Control	Triton X-114	MNZ67	PIP01
	100	102	57.22
	100	99	65
	100	101	67

PspK Levels Determined by ELISA

Sample	MNZ67	PIP01
1	0.27	0.8
1	0.263	0.828
1	0.259	0.835
2	0.265	0.56
2	0.292	0.542
2	0.271	0.554
3	0.21	0.75
3	0.227	0.8
3	0.223	0.76
Average		
1	0.264	0.821
2	0.276	0.552
3	0.22	0.77

Percent Relative to WT

67 PIP01	
100	200
100	310.98
100	350

CT Values and GyrA Rep-1 GyrA Rep-2 PspK Rep-1 PspK Rep-1

Sample	GyrA Rep-1	GyrA Rep-2	PspK Rep-1	PspK Rep-1
Sample	24.3	23.5	26.1	28.6
67- Exp 1	23.8	23.8	25.9	27.3
PIP01-Exp1	27.3	26.7	28.3	27.2
67-Exp2	23.9	24.6	24.1	24.8
PIP01-Exp2	25.2	26.8	29.5	29.8
67-Exp3	24.1	23.9	27.1	27.6
PIp01-Exp3				

Sample	GyrA Average	PspK Average	ΔCt	$\Delta\Delta Ct$	$2-\Delta\Delta CT$	
67- Exp 1	23.9	27.35	3.45	0	0	1
PIP01-Exp1	23.8	26.6	2.8	-0.65	1.569168196	
67-Exp2	27	27.75	0.75	0	0	1
PIP01-Exp2	24.25	24.45	0.2	-0.55	1.464085696	
67-Exp3	26	29.65	3.65	0	0	1
PIp01-Exp3	24	27.35	3.35	-0.3	1.231144413	

PspK After *potD* Complementation

	MNZ67	PIP01	PIP02
1	0.235	0.315	0.22
1	0.246	0.313	0.219
1	0.29	0.32	0.209
2	0.221	0.37	0.212
2	0.276	0.365	0.232
2	0.298	0.345	0.235
3	0.254	0.295	0.225
3	0.298	0.31	0.235
3	0.24	0.283	0.224

Average

1	0.257	0.324	0.223444444
2	0.265	0.36	0.226333333
3	0.264	0.296	0.228

Percent Relative to WT

MNZ67	PIP01	PIP02
100	126.070039	86.9433636
100	112.1212121	85.4088
100	135.8490566	86.364

Ply After *potD* Complementation

	MNZ67	PIP01	PIP02
	0.345	0.258	0.5
	0.339	0.225	0.59
	0.327	0.282	0.625
	0.312	0.25	0.462
	0.332	0.249	0.447
	0.31	0.3	0.477
	0.319	0.252	0.412
	0.321	0.31	0.405
	0.356	0.325	0.409

Average

1	0.337	0.272333333	0.480777778
2	0.318	0.266333333	0.462
3	0.332	0.295666667	0.408666667

Percent Relative to WT

MNZ67	PIP01	PIP02
100	80.811078	123.0923695
100	83.752605	145.283019
100	89.0562249	142.664029