

ID	Gene	Protein	PCR Result	Expression test	ug/mL culture	Tag (Best)	Temp (deg C)	Rescue Expression?
1	Abl1	Abl kinase	yes	NO		N/A	16	Maybe
2	AK1	adenylate kinase 1	yes	High	121	SUMO	16	
3	AK2	adenylate kinase 2	yes	High	121	H6	16	
4	AMPC_WT	AmpC beta-lactamase	NO	---		---	---	
5	CAH2	carbonic anhydrase II	yes	High	198	H6	16	
6	CALM1	calmodulin	yes	High	107	SUMO	16	
7	CCP_WT	cytochrome c peroxidase	yes	High	224	H6	16	
8	CCP_GA	cytochrome c peroxidase	yes	High	198	H6	16	
9	CDK2	cyclin-dependent kinase 2	yes	Low	19	SUMO	16	Yes
10	DHFR	dihydrofolate reductase	yes	Low	5	MOCR	16	Yes
11	ESR1	estrogen receptor α	yes	NO		N/A	16	No
12	ESR2	estrogen receptor β	yes	NO		N/A	16	No
13	FKBP12	FK506 binding protein	WRONG ORF	WRONG ORF				
14	GYRB	E. coli DNA gyrase B	yes	High	152	MOCR	16	
15	HSV1_TK	thymidine kinase	yes	High	161	MOCR	16	
16	IL2	interleukin 2	yes	Low-Moderate	29	MOCR	16	
17	JNK3	JNK3 kinase	yes	Low	9	MOCR	16	
18	p38MAPK14	p38 kinase	yes	High	170	MOCR	16	
19	PIM1	PIM1 kinase	yes	High	102	MOCR	16	
20	RXRa	retinoic acid receptor	yes	High	88	TRX	16	
21	SRC	Src kinase	NO	---		---	---	
22	T4_L99A	T4 lysozyme L99A	yes	Low-Moderate	42	H6	16	Yes
23	T4_L99A/M102Q	T4 lysozyme L99A/M102Q	yes	Low-Moderate	18	H6	16	Yes
24	TRYP3 (PRSS3)	trypsin	yes	NO- Very Low		TRX	16	Possibly