

**Table 14. Transcripts that are significantly changed in the ChAG-associated Kx1 isolate but not in the cancer-associated Kx2 isolate after mGEP infection.**

HPAG1 homolog	26695 homolog	J99 homolog	Annotation	Gene symbol	COG*/NOG** number	COG category	EC† number	Fold change in KX1 upon mGEP infection	Fold change in KX2 upon mGEP infection
HPAG1_0054	HP0057	JHP0049	hypothetical protein					4.1	-2.8
HPAG1_0114	HP0114	JHP0106	hypothetical protein		COG2604	S		2.8	-1.2
HPAG1_0209	HP0208	JHP0194	lipopolysaccharide 1,2-glycosyltransferase	rfaJ2	COG1442	M		3.7	-1.0
HPAG1_0212	HP0211	JHP0197	cysteine-rich protein A	hcpA	COG0790	R		7.5	2.0
HPAG1_0296	HP0294	JHP0279	aliphatic amidase	amiE	COG0388	R	3.5.1.4	3.4	-2.0
HPAG1_0303	HP0301	JHP0286	dipeptide ABC transporter	dppD	COG0444	E	2.7.2.3	-2.4	-1.1
HPAG1_0305	HP0303	JHP0288	GTP-binding protein	obg	COG0536	R		-2.9	-1.1
HPAG1_0682	HP0697	JHP0631	acetone carboxylase, gamma subunit		COG4647	Q		-2.5	1.1
HPAG1_0743	HP0758	JHP0695	conserved hypothetical integral membrane protein		COG2056	R		-2.4	1.4
HPAG1_0930	HP0946	JHP0880	conserved hypothetical integral membrane protein		COG1757	C		2.5	1.1
HPAG1_0986	HP0406	JHP0975	hypothetical protein		NOG13219			-2.7	-1.2
HPAG1_0987	HP0405	JHP0976	nifS-like protein		COG0520	E	4.4.1.16	-2.8	1.4
HPAG1_1027	HP0367	JHP1014	hypothetical protein					2.2	-3.9
HPAG1_1028	HP0366	JHP1015	spore coat polysaccharide biosynthesis protein C		COG0399	M	2.6.1.50	4.6	-3.0
HPAG1_1081	HP1143	JHP1071	hypothetical protein		COG4487	S		3.2	-1.1
HPAG1_1094	HP1155	JHP1082	UDP-N-acetylglucosamine lipid transferase	murG	COG0707	M	2.4.1.227	3.5	-2.8
HPAG1_1357	HP1432	JHP1321	histidine and glutamine-rich metal binding protein					3.6	-1.2

\*Cluster of Orthologous Groups

\*\*Non-supervised Orthologous Group

†Enzyme Commission