

**Table 6. Hypothetical or poorly characterized proteins PHX in multiple  $G_{low}^+$  genomes**

BACSU	BACHA	LISIN	LISMO	LACLA	STRPY	STRPN	STAAU	CLOAC	CLOPE	Comments
1.36 yaaK	(0.91) BH0035	(0.98) lin2851	1.17 lmo2703	1.19 ybcG	(0.98) SPy1862	1.22 SP1102	1.23 SAV0479	1.23 CAC0126	1.22 CPE0046	Unknown
(0.48) ykpA	—	1.22 lin1470	1.13 lmo1431	1.27 yahG	1.12 SPy2210	(0.98) SP2230	1.35 SAV1392	1.21 CAC2948	1.18 CPE1506	ABC transporter
(0.60) yebB (0.43) ytiP	(0.82) BH0608	1.77 lin2356 (0.75) lin0582	1.45 lmo2254 (0.78) lmo0573	(0.87) yriD	(0.41) SPy1736	(0.77) SP0287	(0.79) SAV2253	1.20 CAC2772 (0.90) CAC2820	(0.88) CPE1575 (0.78) CPE2582 (0.65) CPE1751	Possible permease
(0.73) yeeI (0.55) yrbC	(0.68) BH3259	(0.81) lin0388 (0.57) lin1570	(0.78) lmo0369 (0.59) lmo1535	1.08 ycdB	(0.86) SPy0316	1.18 SP1922	(0.57) SAV0669	(0.99) CAC2295	1.42 CPE1954	Unknown
(0.98) yheA	(0.78) BH1149	1.17 lin2326	1.14 lmo2223	—	—	—	1.83 SAV1845	—	—	Unknown
(0.74) ykqC	(0.64) BH2662	1.13 lin1026	1.31 lmo1027	1.09 yciH	(0.81) SPy1876	(0.79) SP0121	(0.74) SAV1089	(0.75) CAC1683	(0.70) CPE1775	Unknown, possibly hydrolase
(0.66) yqfA	1.12 BH1357	1.14 lin0410	1.14 lmo0392	—	—	—	(0.82) SAV1573	—	—	Unknown
1.02 yrbB	(1.03) BH1270	1.08 lin1536	1.53 lmo1501	(0.74) ybcC	(0.65) SPy2112	1.81 SP0194	1.20 SAV1615	—	—	Unknown
1.33 yrbF	(0.96) BH1229	1.26 lin1564	1.22 lmo1529	1.24 ywaB	(0.71) SPy1968	(0.76) SP2029	(0.95) SAV1638	—	(0.94) CPE1944	Unknown, possibly preprotein translocase subunit
—	—	1.13 lin0049	1.13 lmo0056	—	—	—	1.12 SAV0282	1.20 CAC0040 (1.04) CAC3713	—	Unknown, possibly transporter
1.69 yurU	1.23 BH3467	1.16 lin2506	1.13 lmo2411	(0.70) yseF	(0.49) SPy0290	(0.69) SP0871	1.31 SAV0846	1.30 CAC3289	—	Unknown
1.32 yurY	1.26 BH3471	1.16 lin2510	1.38 lmo2415	(0.62) ystB	(0.65) SPy0285	1.15 SP0867	1.37 SAV0842	(1.09) CAC3288	—	ABC transporter
—	—	1.33 lin0789	1.36 lmo0796	—	—	—	1.45 SAV2687	—	—	Unknown

Homologous genes were identified by the Significant Segment Pair Alignment (1) using a 30% sequence similarity cutoff.

1. Brocchieri, L. & Karlin, S. (1998) *J. Mol. Biol.* **276**, 249-264.