

**A**

		★ ★ bZIP_1			
		R44G Q67H			
YPS606	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
Y12	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
YPS128	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
Y9	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
DBVPG6765	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
BC187	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
YJM981	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
DBVPG1106	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
DBVPG1373	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
YJM978	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
S288c	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
YJM975	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
L_1528	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
RM11_1A	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
DBVPG1788	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
L_1374	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERKN	80		
UWOPS05_227_2	21	KIHVSKNWKLPRLPHRAAQRKR <b>G</b> VHRLHEDYETEENDEELQKKR <b>H</b> NRDAQRAYRERKN	80		
UWOPS05_217_3	21	KIHVSKNWKLPRLPHRAAQRKR <b>G</b> VHRLHEDYETEENDEELQKKR <b>H</b> NRDAQRAYRERKN	80		
UWOPS03_461_4	21	KIHVSKNWKLPRLPHRAAQRKR <b>G</b> VHRLHEDYETEENDEELQKKR <b>H</b> NRDAQRAYRERKN	80		
DBVPG6044	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERQN	80		
NCYC110	21	KIHVSKNWKLPRLPHRAAQRKRVRHLHEDYETEENDEELQKKRQNRDAQRAYRERQN	80		
S. paradoxus	21	KIHVSKNWKLPRLPHRATQRKRRAHRLHEEYETEGNDEALQKKRQNRDAQRAYRERKN	80		

**B**

		★ VIT1			
		G22R			
UWOPS05_227_2	1	MSIVALKNNAVVTLIQKAKGSGRTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
UWOPS05_217_3	1	MSIVALKNNAVVTLIQKAKGSGRTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
UWOPS03_461_4	1	MSIVALKNNAVVTLIQKAKGSGRTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
DBVPG6765	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
DBVPG1788	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
RM11_1A	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
L_1528	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
YJM789	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
YJM975	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
L_1374	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
S288c	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
YPS606	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
Y12	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
YPS128	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
YJM978	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
Y9	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
NCYC110	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
DBVPG1373	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
YJM981	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
BC187	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
DBVPG1106	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
DBVPG6044	1	MSIVALKNNAVVTLIQKAKGSGGTSELGGSESTPLLRGSNSNSSRHDNLSSSSSDI IYGRN	60		
S. paradoxus	1	MSIVALKNNAVVTLIQKAKGSGGTSDLGGSESTPLLRGSNSNSSRHDNLSSNSDI IYGRN	60		

**C**

		NLS		NLS			
		AFT		★		P354S	
K11	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
Y12	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
Y9	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
NCYC110	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
DBVPG6044	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
UWOPS05_227_2	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRK <b>S</b> KSQCKN	360				
UWOPS05_217_3	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRK <b>S</b> KSQCKN	360				
UWOPS03_461_4	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRK <b>S</b> KSQCKN	360				
YPS606	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
YPS128	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
DBVPG6765	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
YJM975	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
BC187	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
YJM981	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
DBVPG1106	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
DBVPG1373	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
Y55	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
YJM978	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
L_1374	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
L_1528	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
DBVPG1788	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
RM11_1A	301	SFNVVLPNTSNVTSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	360				
S. paradoxus	299	SFNVVLPNTSNVSSASSSTVSSISLDSSNASKRCLPVSNNVTGSINTNNVRKPKSQCKN	358				

**Figure S1 Coding variants private to Malaysian yeast strains in iron-metabolism genes.** Each panel shows the coding variants private to Malaysian yeast in one iron-metabolism protein, with the variants denoted as stars in a cartoon of the protein's domain organization at top, and a protein-coding alignment below for the region containing the Malaysian variant, using sequence and strain identifiers from (LIT *et al.* 2009). (A) Yap5p; (B) Ccc1p; (C) Aft1p. Non-synonymous coding variants private to the Malaysian population are indicated in red. bZIP\_1, basic leucine zipper domain, PFAM clan 1; VIT1, vacuolar iron transport domain; AFT, activator of iron transcription domain; NLS, nuclear localization signal.