

Table S3: Gene enrichment analysis of *P. berghei* genes found associated with DOZI and / or CITH. A hypergeometric test was used to identify manually grouped genes. Term = manual grouping of genes. Observed = number of genes found annotated with that particular term. p value = p value given by the hypergeometric test. FDR corrected = p values corrected for multiple testing.

Term	Observed	p value	FDR corrected
adhesins	22	0.0024102	0.028922434
gliding motility	26	8.281E-06	0.000505112
trafficking	31	4.041E-05	0.001848853
transporters	26	5.44E-08	3.62024E-06
chaperone	17	7.2E-12	7.52945E-10
kinase	15	1.68E-13	2.04942E-11
RNA binding	16	2.225E-09	2.03562E-07
RNA metabolism	20	0.0003892	0.010550801
splicing	21	1.101E-13	1.61198E-11
microtubule	10	3.36E-05	0.001639588
phosphatase	7	0.0204386	0.1010882
proteasome	16	6.708E-20	1.22761E-17
redox	17	0.0022518	0.027937801