**S3 Table. Nucleus-localised proteins are enriched and cytosol-localised proteins depleted in nuclear enriched samples**

|  |  |  |  |
| --- | --- | --- | --- |
| Strain | 2D enrichment analysis of average log2 nuclear enriched/whole cell ratiosa | | |
| Annotation categoryb | 2D enrichment score | P value |
| WT (36°C) | Nucleus-localised | 0.12 | 0.017 |
| Cytosol-localised | - 0.11 | 0.005 |
| *rae1-167* (36°C) | Nucleus-localised | 0.18 | 0.006 |
| Cytosol-localised | - 0.12 | 0.00002 |

a2D enrichment analysis [21] of average log2 nuclear enriched/whole cell ratios from SILAC comparison of nuclear enriched sample to whole cell sample to confirm nuclear enrichment by nuclear enrichment protocol (see supplemental experimental procedures)

bNucleus-localised and cytosol-localised categories from *S. pombe* ORFeome localisation data [19]