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| **Table S3: Analysis of PLAAC data using Spearman rank correlation coefficients †** |
| **Protein****(Number of orthologs in brackets)**  | **%N in proteome** | **%Q in proteome** | **%poly-N**  | **%poly-Q** | **%poly-Q****+****%poly-N** | **DNA GC%** |  **Fraction of prion-like proteins in the proteome by PLAAC PRDscore** |
| **>0.0** | **≥15.0** | **≥30.0** |
| **Known amyloid-based prions in *S. cerevisiae***  |
| **Sup35****P05453 (62)** | 0.471\*\*\* | 0.241 | 0.538\*\*\* | 0.503\*\*\* | 0.555\*\*\* | –0.414\*\* | 0.581\*\*\* | 0.579\*\*\* | 0.534\*\*\* |
| **Swi1 ††****P09547 (56)** | 0.397\*\* | –0.254 | 0.376\*\* | 0.018 | 0.300\* | –0.445\*\* | 0.403\*\* | 0.391\* | 0.354\* |
| **Cyc8****P14922 (61)** | 0.309\* | 0.299\* | 0.415\*\* | 0.411\*\* | 0.438\*\*\* | –0.299\* | 0.496\*\*\* | 0.467\*\*\* | 0.388\* |
| **Ure2****P23202 (66)** | 0.551\*\*\* | 0.048 | 0.589\*\*\* | 0.289\* | 0.534\*\*\* | –0.478\*\*\* | 0.380\*\* | 0.377\* | 0.254\*  |
| **Rnq1 †****P25367 (26)** | 0.368 | –0.452\*  | 0.331 | –0.166 | 0.118 | –0.189 | 0.153 | 0.098 | –0.033 |
| **Mot3 †****P54785 (25)** | 0.181 | –0.365 | 0.287 | 0.352 | 0.228 | –0.140 | 0.018 | 0.130 | –0.044 |
| **Nu100 †****Q02629 (11)** | 0.292 | 0.137 | 0.255 | 0.118 | 0.182 | –0.041 | 0.351 | 0.187 | –0.023 |
| **Pin3 †****Q06449 (55)** | –0.008 | 0.193 | 0.040 | 0.182 | 0.089 | –0.006 | –0.040 | –0.010 | 0.013 |
| **Other prion-forming domains discussed in the text** |
| **New1 ††****Q08972 (63)** |  0.387\* |  0.223 |  0.377\* | 0.218 |  0.347\* | –0.416\*\* | 0.427\*\* | 0.410\*\* |  0.345\* |
| **Pub1****P32588 (62)** |  0.339\* |  0.357\* | 0.467\*\*\* | 0.559\*\*\* | 0.530\*\*\* | –0.349\* | 0.483\*\*\* | 0.501\*\*\* | 0.469\*\*\* |
| † The labelling and colour-coding are as in Table 2.  |