|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Yeast Proteinname** | **MW [kDa]** | **Number of peptides sequenced** | | | | |
| **Column** | | **1** | **2** | **3** | **4** | **5** |
| **A spliceosomes supplemented with** | | **Prp43\_Ntr1GP + ATP** | | | | |
| **Analysis with Orbitrap Device** | | **same volume** | | | | |
| **Fractions** | | **1-3** | **4-6** | **7-9** | **10-12** | **13-15** |
| **Sm proteins** | | | | | | |
| B | 22.4 | 1 | 2 | 7 | 9 | 6 |
| D1 | 16.3 |  | 2 | 4 | 2 | 4 |
| D2 | 12.8 | 3 | 9 | 8 | 9 | 10 |
| D3 | 11.2 | 2 | 6 | 15 | 16 | 15 |
| E | 10.4 |  | 1 | 1 |  | 1 |
| F | 9.6 |  |  | 1 | 1 |  |
| G | 8.5 | 1 |  |  | 1 | 1 |
| **U1 snRNP proteins** | | | | | | |
| Prp39 | 74.7 | 1 |  | 14 | 91 | 67 |
| [Snu71](system:\Experiments%2006-07-08\Experiments%202006\splicing_database_MAC_MAY20\gene_names.xls#A688:O688) | 71.4 |  | 7 | 25 | 87 | 78 |
| Prp40 | 69.0 |  | 6 | 20 | 87 | 77 |
| Prp42 | 65.0 |  |  | 20 | 53 | 37 |
| Nam8 | 56.9 |  |  | 9 | 35 | 31 |
| Snu56 | 56.5 |  |  | 12 | 55 | 40 |
| Snp1 | 34.4 | 2 |  | 6 | 16 | 18 |
| Mud1 | 34.4 |  |  | 11 | 13 | 13 |
| Luc7 | 30.0 | 1 | 1 | 7 | 10 | 12 |
| Yhc1 | 27.0 | 3 |  | 2 | 15 | 14 |
| **U2 snRNP proteins** | | | | | | |
| Rse1 | 153.8 | 1 |  | 226 | 263 | 174 |
| Hsh155 | 110.0 | 1 |  | 127 | 161 | 99 |
| Prp9 | 63.0 |  | 2 | 60 | 76 | 48 |
| Cus1 | 50.2 |  |  | 36 | 41 | 27 |
| Prp21 | 33.0 | 1 | 1 | 10 | 15 | 9 |
| Prp11 | 29.9 |  | 4 | 20 | 20 | 15 |
| Lea1 | 27.2 | 15 | 22 | 34 | 21 | 10 |
| Hsh49 | 24.5 |  |  | 7 | 5 | 6 |
| Msl1 | 12.8 | 3 | 4 | 3 | 4 | 4 |
| Rds3 | 12.3 |  |  | 4 | 2 | 1 |
| Ysf3 | 10.0 |  |  | 2 | 1 | 1 |
| **U5 snRNP proteins** | | | | | | |
| Prp8 | 279.5 |  |  | 17 | 39 | 36 |
| Brr2 | 246.2 |  | 10 | 56 | 62 | 31 |
| Snu114 | 114.0 | 2 |  | 10 | 21 | 19 |
| Prp6 | 104.2 | 2 | 1 |  |  |  |
| **U4/U6 snRNP proteins** | | | | | | |
| Prp4 | 52.4 |  | 4 |  |  |  |
| Snu13 | 13.6 |  | 1 |  |  |  |
| **U4/U6.U5 snRNP proteins** | | | | | | |
| Snu66 | 66.4 | 1 |  |  |  |  |
| Sad1 | 52.2 | 1 |  |  |  | 1 |
| Spp381 | 34.0 | 2 |  |  |  |  |
| Prp38 | 28.0 | 4 | 2 | 1 |  |  |
| Snu23 | 23.0 | 5 | 5 |  |  |  |
| **LSm proteins** | | | | | | |
| LSm2 | 11.2 | 2 | 5 | 4 | 2 |  |
| LSm3 | 10.0 |  |  |  |  |  |
| LSm4 | 21.3 |  | 3 | 1 |  |  |
| LSm5 | 10.4 | 1 | 2 | 2 | 1 | 2 |
| LSm6 | 9.4 |  | 1 | 1 | 1 |  |
| LSm7 | 13.0 |  | 2 |  |  |  |
| LSm8 | 12.4 |  | 1 |  |  |  |
| **RES complex proteins / Early spliceosomal factor** | | | | | | |
| Bud13 | 30.5 | 12 | 3 | 1 |  |  |
| Pml1 | 23.6 | 3 | 7 | 3 |  |  |
| Ist3/Snu17 | 17.0 | 5 | 4 | 3 |  |  |
| Prp5 | 96.0 | 9 | 22 | 39 | 51 | 23 |