|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Yeast Proteinname** | **MW [kDa]** | **Number of peptides sequenced** | | | | | |
| **Column** | | **1** | **2** | **3** | **4** | **5** | **6** |
| **B spliceosomes supplemented with** | | **Prp43\_Ntr1GP + UTP** | | | | | |
| **Analysis with Orbitrap Device** | | **same volume** | | | | | |
| **Fractions** | | **1-3** | **4-6** | **7-9** | **10-12** | **13-15** | **16-18** |
| **Sm proteins** | | | | | | | |
| B | 22.4 | 10 | 19 | 20 | 28 | 39 | 10 |
| D1 | 16.3 | 1 | 25 | 31 | 41 | 42 | 22 |
| D2 | 12.8 | 5 | 22 | 36 | 31 | 51 | 20 |
| D3 | 11.2 | 8 | 15 | 26 | 43 | 52 | 34 |
| E | 10.4 |  | 1 | 5 | 10 | 7 | 2 |
| F | 9.6 |  | 5 | 5 | 7 | 10 | 4 |
| G | 8.5 | 2 | 6 | 15 | 21 | 17 | 12 |
| **U1 snRNP proteins** | | | | | | | |
| Prp39 | 74.7 |  |  | 26 | 60 | 38 | 24 |
| [Snu71](system:\Experiments%2006-07-08\Experiments%202006\splicing_database_MAC_MAY20\gene_names.xls#A688:O688) | 71.4 | 6 | 11 | 29 | 53 | 46 | 29 |
| Prp40 | 69.0 | 6 | 10 | 22 | 39 | 30 | 36 |
| Prp42 | 65.0 |  |  | 22 | 34 | 41 | 18 |
| Nam8 | 56.9 |  |  | 9 | 21 | 22 | 13 |
| Snu56 | 56.5 |  |  | 5 | 18 | 18 | 6 |
| Snp1 | 34.4 |  |  | 10 | 31 | 19 | 11 |
| Mud1 | 34.4 |  |  | 7 | 19 | 17 | 7 |
| Luc7 | 30.0 | 3 | 9 | 19 | 19 | 20 | 11 |
| Yhc1 | 27.0 |  |  | 6 | 11 | 15 | 5 |
| **U2 snRNP proteins** | | | | | | | |
| Rse1 | 153.8 |  | 42 | 208 | 192 | 251 | 126 |
| Hsh155 | 110.0 |  | 24 | 187 | 121 | 183 | 100 |
| Prp9 | 63.0 |  | 34 | 96 | 89 | 109 | 73 |
| Cus1 | 50.2 |  | 17 | 118 | 76 | 117 | 49 |
| Prp21 | 33.0 |  | 16 | 67 | 60 | 90 | 38 |
| Prp11 | 29.9 | 2 | 13 | 39 | 32 | 40 | 22 |
| Lea1 | 27.2 | 19 | 44 | 67 | 56 | 72 | 37 |
| Hsh49 | 24.5 | 1 | 7 | 25 | 19 | 22 | 12 |
| Msl1 | 12.8 | 4 | 18 | 26 | 21 | 29 | 10 |
| Rds3 | 12.3 |  | 4 | 14 | 12 | 18 | 8 |
| Ysf3 | 10.0 |  | 1 | 4 | 8 | 10 | 5 |
| **U5 snRNP proteins** | | | | | | | |
| Prp8 | 279.5 |  | 24 | 224 | 450 | 521 | 282 |
| Brr2 | 246.2 |  | 59 | 207 | 357 | 506 | 257 |
| Snu114 | 114.0 |  | 22 | 108 | 198 | 229 | 102 |
| Prp6 | 104.2 | 43 | 39 | 58 | 108 | 169 | 87 |
| **U4/U6 snRNP proteins** | | | | | | | |
| Prp31 | 56.3 | 16 | 19 | 36 | 48 | 84 | 26 |
| Prp3 | 56.0 | 4 | 18 | 34 | 54 | 79 | 36 |
| Prp4 | 52.4 | 5 | 16 | 30 | 71 | 74 | 59 |
| Snu13 | 13.6 | 1 | 6 | 4 | 7 | 14 | 5 |
| **U4/U6.U5 snRNP proteins** | | | | | | | |
| Snu66 | 66.4 | 3 | 13 | 74 | 132 | 160 | 84 |
| Spp381 | 34.0 | 5 | 2 | 22 | 45 | 57 | 19 |
| Prp38 | 28.0 | 6 | 4 | 12 | 30 | 29 | 17 |
| Snu23 | 23.0 | 5 | 14 | 24 | 51 | 64 | 35 |
| **LSm proteins** | | | | | | | |
| LSm2 | 11.2 | 3 | 7 | 10 | 25 | 33 | 15 |
| LSm3 | 10.0 | 2 | 2 | 1 | 7 | 8 | 5 |
| LSm4 | 21.3 | 4 | 15 | 10 | 20 | 33 | 20 |
| LSm5 | 10.4 | 2 | 4 | 5 | 9 | 9 | 6 |
| LSm6 | 9.4 | 2 | 5 | 6 | 11 | 11 | 16 |
| LSm7 | 13.0 | 2 | 8 | 8 | 11 | 17 | 11 |
| LSm8 | 12.4 |  | 7 | 5 | 12 | 15 | 6 |

Figure 3-source data 1a

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Yeast Proteinname** | **MW [kDa]** | **Number of peptides sequenced** | | | | | |
| **Column** | | **1** | **2** | **3** | **4** | **5** | **6** |
| **B spliceosomes supplemented with** | | **Prp43\_Ntr1GP + UTP** | | | | | |
| **Analysis with Orbitrap Device** | | **same volume** | | | | | |
| **Fractions** | | **1-3** | **4-6** | **7-9** | **10-12** | **13-15** | **16-18** |
| **RES complex proteins** | | | | | | | |
| Bud13 | 30.5 | 27 | 52 | 74 | 50 | 46 | 14 |
| Pml1 | 23.6 | 19 | 23 | 19 | 23 | 16 | 5 |
| Ist3/Snu17 | 17.0 | 7 | 15 | 14 | 16 | 9 | 4 |
| **NTC/Prp19 complex proteins** | | | | | | | |
| Syf1/ Ntc90 | 100.0 | 20 | 40 | 44 | 49 | 44 | 41 |
| Clf1/ Ntc77 | 82.4 | 15 | 21 | 34 | 39 | 37 | 30 |
| Cef1/ Ntc85 | 68.0 |  | 19 | 30 | 34 | 40 | 22 |
| Prp19 | 56.6 | 7 | 49 | 74 | 58 | 90 | 70 |
| Isy1/ Ntc30 | 28.0 | 5 | 12 | 9 | 9 | 12 | 10 |
| Syf2/ Ntc31 | 25.0 |  | 3 | 5 | 9 | 11 | 9 |
| Snt309/ Ntc25 | 21.0 |  | 7 | 8 | 8 | 10 | 10 |
| Ntc20 | 16.0 | 3 | 5 | 5 | 6 | 7 | 6 |
| **NTC related proteins** | | | | | | | |
| Prp46 | 51.0 |  | 22 | 43 | 29 | 25 | 19 |
| Prp45 | 42.5 |  | 21 | 38 | 28 | 34 | 26 |
| Ecm2 | 41.0 |  |  |  |  |  |  |
| Cwc2 | 38.4 |  |  |  |  |  |  |
| Bud31/ Cwc14 | 18.4 | 2 | 2 | 9 | 9 | 9 | 4 |
| Cwc15 | 20.0 |  |  |  |  |  |  |

Figure 3-source data 1b