

S3 Table. In-gel mass spectrometry analysis of PTP3 affinity-purified sample. The two prominent protein bands indicated by an asterisk (*) in Figure 4c, one around kDa and 20 kDa were sliced and analyzed. The list of mass spectrometry hits is arranged according to peptide-spectrum match (PSM).

| Description | Coverage [%] | # Peptides | # PSMs | # Unique Peptides | MW [kDa] | # Peptides: (~150 kDa) | # Peptides (~20 kDa) |
|---|--------------|------------|--------|-------------------|----------|------------------------|----------------------|
| PTP3 | 89 | 153 | 2271 | 153 | 151.00 | 150 | 33 |
| uncharacterized protein | 12 | 10 | 20 | 10 | 91.60 | 10 | |
| DNA-directed RNA polymerase I subunit RPA190 (RPA1) | 9 | 10 | 15 | 10 | 157.40 | 10 | |
| elongation factor 1-alpha 1 (EF1A1) | 26 | 7 | 9 | 7 | 51.10 | 4 | 1 |
| DNA-directed RNA polymerase II subunit RPB2 | 55 | 58 | 94 | 58 | 131.70 | 3 | |
| hypothetical protein | 2 | 1 | 6 | 1 | 84.80 | 1 | |
| ricin B lectin (PTP6a) | 80 | 17 | 246 | 17 | 24.30 | 2 | 17 |
| polar tube protein 1 (PTP1) | 9 | 2 | 4 | 2 | 41.60 | 1 | |
| ribosomal protein eL13 | 23 | 3 | 5 | 3 | 18.90 | | 3 |
| hypothetical membrane protein | 17 | 8 | 10 | 8 | 48.20 | | 8 |
| ricin B lectin (PTP6c) | 11 | 3 | 6 | 1 | 20.20 | | 3 |
| ribosomal protein uL13 | 17 | 3 | 3 | 3 | 22.30 | | 3 |
| uncharacterized membrane protein | 29 | 4 | 7 | 4 | 21.50 | 4 | 4 |
| ricin B lectin (RBL4c) | 35 | 3 | 4 | 3 | 21.70 | | 3 |
| ricin B lectin (RBL4a) | 31 | 4 | 6 | 4 | 21.20 | 4 | 4 |
| ribosomal protein eL19 | 18 | 3 | 4 | 3 | 18.60 | | 3 |
| proteasome subunit PSB4 (PSB4) | 7 | 1 | 1 | 1 | 22.00 | | 1 |
| polar tube protein 2 (PTP2) | 30 | 8 | 16 | 8 | 30.10 | | 8 |
| ricin B lectin (RBL3c) | 9 | 2 | 2 | 2 | 25.20 | | 2 |
| ricin B lectin (PTP6d) | 72 | 16 | 80 | 14 | 23.30 | | 16 |
| putative splicing factor | 22 | 6 | 7 | 6 | 37.30 | | 6 |
| spore wall protein 25-like | 12 | 2 | 2 | 2 | 25.80 | | 2 |
| RNA-binding protein | 8 | 1 | 1 | 1 | 20.60 | | 1 |
| ribosomal protein uL2 | 8 | 1 | 1 | 1 | 26.00 | | 1 |
| ribosomal protein uS7 | 5 | 1 | 1 | 1 | 20.90 | | 1 |
| retrovirus-related pol polyprotein from transposon Pr125pol | 6 | 7 | 10 | 7 | 136.70 | | 7 |
| eukaryotic translation initiation factor 5A | 43 | 8 | 14 | 8 | 17.80 | | 8 |
| proteasome subunit PSB3 (PSB3) | 16 | 4 | 4 | 4 | 23.00 | | 4 |
| 60S ribosomal protein L20 | 59 | 11 | 15 | 11 | 20.90 | | 11 |
| ricin B lectin (PTP6b) | 47 | 8 | 14 | 8 | 21.40 | | 8 |
| ubiquitin-like protein | 4 | 1 | 2 | 1 | 36.10 | | 1 |
| hypothetical SP-containing protein | 34 | 4 | 4 | 4 | 19.40 | | 4 |
| DNA-directed RNA polymerase III subunit (RPC2) | 8 | 7 | 7 | 7 | 123.90 | | |
| hypothetical SP-containing protein | 13 | 2 | 2 | 2 | 21.00 | | 2 |
| hypothetical SP-containing membrane protein | 7 | 1 | 1 | 1 | 21.10 | | 1 |
| glutaredoxin-3 (GRX3) | 32 | 5 | 8 | 5 | 22.10 | | 5 |
| hypothetical SP-containing protein | 8 | 1 | 1 | 1 | 33.30 | | 1 |
| spore wall protein 26 | 9 | 2 | 2 | 2 | 24.70 | | 2 |
| proteasome subunit PSB5 (PSB5) | 31 | 4 | 4 | 4 | 25.20 | | 4 |
| hypothetical SP-containing protein | 9 | 1 | 1 | 1 | 12.40 | | 1 |
| separin (ESP1) | 2 | 1 | 1 | 1 | 92.10 | | 1 |
| zinc finger C2H2 domain-containing protein | 19 | 4 | 4 | 4 | 32.90 | | 4 |
| triosephosphate isomerase | 11 | 2 | 2 | 2 | 26.90 | | 2 |
| integrase catalytic domain-containing protein | 4 | 2 | 2 | 2 | 70.30 | | 2 |
| proteasome subunit PSB1 (PSB1) | 14 | 3 | 3 | 3 | 23.50 | | 3 |
| uncharacterized protein | 7.00 | 1.00 | 5.00 | 1.00 | 24.50 | | 1 |