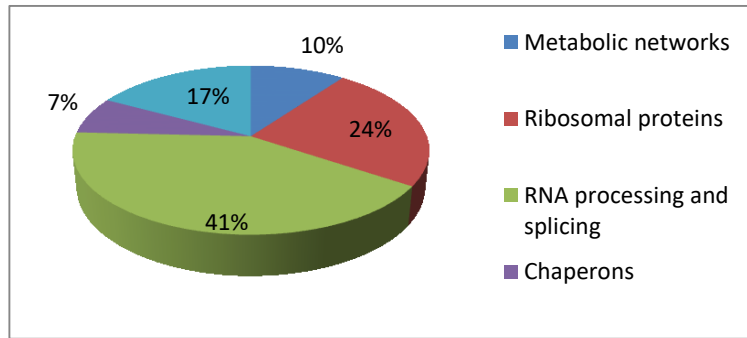


ALL PROTEINS ASSOCIATED WITH SEMG2

| | | | | Number of peptides associated with corresponding recombinant protein | | | Assigned number of protein function |
|--|---------|-----------------|---------|--|-----------|-----------|-------------------------------------|
| | | | | GST | GST-SEMG1 | GST-SEMG2 | |
| Fatty acid synthase | FASN | A0A0U1RQF0 (+1) | 273 kDa | 0 | 17 | 4 | 1 |
| Phosphoenolpyruvate carboxykinase [GTP], mitochondrial | PCK2 | Q16822 | 71 kDa | 0 | 7 | 3 | 1 |
| Pyruvate kinase PKM | PKM | P14618 | 58 kDa | 0 | 23 | 14 | 1 |
| Serine hydroxymethyltransferase, mitochondrial | SHMT2 | P34897 | 56 kDa | 0 | 8 | 3 | 1 |
| 40S ribosomal protein S17 | RPS17 | P08708 | 16 kDa | 0 | 6 | 3 | 2 |
| 40S ribosomal protein S4, X isoform | RPS4X | P62701 | 30 kDa | 0 | 9 | 3 | 2 |
| 40S ribosomal protein S5 | RPS5 | P46782 (+1) | 23 kDa | 0 | 10 | 8 | 2 |
| 40S ribosomal protein S6 | RPS6 | P62753 | 29 kDa | 0 | 5 | 4 | 2 |
| 40S ribosomal protein S7 | RPS7 | P62081 | 22 kDa | 0 | 10 | 4 | 2 |
| 60S ribosomal protein L11 | RPL11 | P62913 | 20 kDa | 0 | 3 | 3 | 2 |
| 60S ribosomal protein L23a | RPL23A | P62750 | 18 kDa | 0 | 11 | 6 | 2 |
| 60S ribosomal protein L29 | RPL29 | P47914 | 18 kDa | 0 | 0 | 4 | 2 |
| 60S ribosomal protein L35 | RPL35 | P42766 | 15 kDa | 0 | 5 | 3 | 2 |
| Cluster of 60S ribosomal protein L26 | RPL26 | P61254 [3] | 17 kDa | 0 | 8 | 6 | 2 |
| Heterogeneous nuclear ribonucleoprotein A1 | HNRNPA1 | F8W6I7 (+1) | 33 kDa | 0 | 8 | 4 | 3 |
| Heterogeneous nuclear ribonucleoprotein M | HNRNPM | P52272 | 78 kDa | 0 | 13 | 5 | 3 |
| Poly(rC)-binding protein 1 | PCBP1 | Q15365 | 37 kDa | 0 | 5 | 4 | 3 |
| Probable ATP-dependent RNA helicase DDX17 | DDX17 | Q92841 (+1) | 80 kDa | 0 | 3 | 2 | 3 |
| Probable ATP-dependent RNA helicase DDX5 | DDX5 | P17844 (+1) | 69 kDa | 0 | 9 | 9 | 3 |
| Heterogeneous nuclear ribonucleoprotein M | HNRNPM | P52272 | 78 kDa | 0 | 23 | 15 | 3 |
| Probable ATP-dependent RNA helicase DDX17 | DDX17 | Q92841 [4] | 80 kDa | 0 | 15 | 13 | 3 |
| ATP-dependent RNA helicase DDX1 | DDX1 | Q92499 | 82 kDa | 0 | 11 | 3 | 3 |
| ATP-dependent RNA helicase DDX3X | DDX3X | A0A0D95F53 (+3) | 81 kDa | 0 | 14 | 7 | 3 |
| Cluster of Poly(rC)-binding protein 1 | PCBP1 | Q15365 [5] | 37 kDa | 0 | 9 | 4 | 3 |

| | | | | | | | |
|---|-----------|----------------|---------|---|----|----|---|
| Heterogeneous nuclear ribonucleoprotein Q | SYNCRIP | O60506 | 70 kDa | 0 | 8 | 2 | 3 |
| Heterogeneous nuclear ribonucleoprotein U | HNRNPU | Q00839 | 91 kDa | 0 | 20 | 5 | 3 |
| Heterogeneous nuclear ribonucleoproteins A2/B1 | HNRNPA2B1 | P22626 | 37 kDa | 0 | 9 | 8 | 3 |
| Non-POU domain-containing octamer-binding protein | NONO | Q15233 | 54 kDa | 0 | 3 | 11 | 3 |
| Paraspeckle component 1 | PSPC1 | Q8WXF1 | 59 kDa | 0 | 0 | 5 | 3 |
| Splicing factor, proline- and glutamine-rich | SFPQ | P23246 | 76 kDa | 0 | 7 | 14 | 3 |
| tRNA-splicing ligase RtcB homolog | RTCB | Q9Y3I0 | 55 kDa | 0 | 7 | 6 | 3 |
| Cold shock domain-containing protein E1 | CSDE1 | O75534 | 89 kDa | 0 | 7 | 3 | 4 |
| Protein disulfide-isomerase A3 | PDIA3 | P30101 | 57 kDa | 0 | 4 | 8 | 4 |
| THO complex subunit 4 OS | ALYREF | Q86V81 | 27 kDa | 0 | 0 | 4 | 4 |
| Cluster of Histone H1t | HIST1H1T | P22492 [2] | 22 kDa | 0 | 3 | 4 | 6 |
| Cysteine-rich protein 2 | CRIP2 | H0YFA4 (+1) | 21 kDa | 0 | 3 | 4 | 6 |
| Leucine-rich repeat-containing protein 59 | LRRC59 | Q96AG4 | 35 kDa | 0 | 10 | 5 | 6 |
| Elongation factor 2 | EEF2 | P13639 | 95 kDa | 0 | 18 | 9 | 6 |
| Nucleolin | NCL | P19338 | 77 kDa | 0 | 5 | 4 | 6 |
| Unconventional myosin-VI | MYO6 | AOA0AOMR M8 | 145 kDa | 0 | 5 | 3 | 6 |
| Ubiquitin carboxyl-terminal hydrolase 10 | USP10 | Q14694 | 87 kDa | 0 | 3 | 3 | 6 |



| Assigned number of protein function | Protein function | Number of proteins identified | Percentage |
|-------------------------------------|-----------------------------|-------------------------------|------------|
| 1 | Metabolic networks | 4 | 10 |
| 2 | Ribosomal proteins | 10 | 24 |
| 3 | RNA processing and splicing | 17 | 41 |
| 4 | Chaperons | 3 | 7 |
| 6 | Other | 7 | 17 |