**Table S4.** Structural ECM Phosphoproteins - Fold Changes

| Protein | Phosphoprotein Isoform | No-SCS / No-SNI | DTMP / No-SCS | LR-SCS / No-SCS |
|---|---|---|---|---|
| PLECTIN | p-PLECTIN-1 (UNK) | 0.63 | 2.12 | 2.67 |
| | p-PLECTIN-1 (UNK) | 0.80 | 0.87 | 1.12 |
| | p-PLECTIN-1 (UNK) | 0.89 | 1.10 | 1.19 |
| | p-PLECTIN-1 (UNK) | 0.90 | 0.13 | 0.53 |
| | p-PLECTIN-1 (UNK) | 1.05 | 0.85 | 1.03 |
| | p-PLECTIN-1 (UNK) | 1.14 | 0.83 | 1.22 |
| | p-PLECTIN-1 (UNK) | 1.17 | 0.63 | 0.53 |
| | p-PLECTIN-1 (UNK) | 1.20 | 0.55 | 0.68 |
| | p-PLECTIN-1 (UNK) | 1.21 | 0.88 | 1.07 |
| | p-PLECTIN-1 (UNK) | 1.25 | 0.82 | 1.53 |
| | p-PLECTIN-1 (UNK) | 1.52 | 0.42 | 0.33 |
| | p-PLECTIN-1 (UNK) | 2.90 | 1.04 | 4.70 |
| | p-PLECTIN-1 (21) | 3.66 | 0.45 | 1.83 |
| | p-PLECTIN-1 (UNK) | 4.12 | 0.84 | 2.27 |
| | p-PLECTIN-1 (UNK) | 5.12 | 0.61 | 1.42 |
| | p-PLECTIN-1 (UNK) | 6.06 | 0.24 | 0.88 |
| | p-PLECTIN-1 (UNK) | 13.61 | 0.24 | 1.27 |
| GFAP | p-GFAP (13) | 0.83 | 2.47 | 4.17 |
| | p-GFAP (36, 41) | 0.89 | 1.52 | 1.67 |
| | p-GFAP (267) | 0.91 | 0.94 | 1.77 |
| | p-GFAP (15) | 1.01 | 1.36 | 2.93 |
| | p-GFAP (383) | 1.02 | 0.91 | 1.34 |
| | p-GFAP (41) | 1.04 | 1.33 | 1.84 |
| | p-GFAP (38) | 1.20 | 1.25 | 1.46 |
| | p-GFAP (321) | 1.30 | 0.84 | 1.15 |
| | p-GFAP (296) | 1.43 | 1.44 | 2.17 |
| | p-GFAP (303) | 1.51 | 0.23 | 0.34 |
| | p-GFAP (398) | 1.61 | 0.85 | 1.58 |
| | p-GFAP (12) | 1.66 | 1.35 | 2.51 |
| | p-GFAP (391) | 1.78 | 0.98 | 1.74 |
| | p-GFAP (319) | 2.11 | 0.69 | 0.98 |
| | p-GFAP (36) | 2.15 | 0.76 | 0.97 |
| | p-GFAP (31) | 2.46 | 0.68 | 2.21 |
| | p-GFAP (148) | 6.40 | 0.64 | 0.58 |
| NESTIN | NESTIN (729) | 8.32 | 0.15 | 0.56 |
| | NESTIN (620) | 7.70 | 0.19 | 0.42 |
| | NESTIN (773) | 4.98 | 0.19 | 0.84 |
| | NESTIN (1016) | 3.76 | 0.54 | 0.60 |
| | NESTIN (1866) | 3.38 | 0.28 | 0.71 |
| | NESTIN (924) | 3.16 | 0.44 | 1.19 |
| | NESTIN (1166) | 2.37 | 0.31 | 0.67 |
| | NESTIN (316) | 2.24 | 1.07 | 0.91 |
| | NESTIN (630) | 2.23 | 0.33 | 0.68 |
| | NESTIN (1594) | 2.18 | 0.34 | 0.91 |
| | NESTIN (1606) | 1.97 | 0.20 | 0.99 |
| | NESTIN (861) | 1.55 | 0.71 | 1.86 |
| | NESTIN (723, 729) | 1.21 | 1.04 | 1.12 |
| | NESTIN (723, 726) | 0.92 | 1.77 | 0.93 |
| NF1 | p-NF1 (866) | 0.83 | 1.25 | 1.07 |
| | p-NF1 (2496) | 0.89 | 0.90 | 1.14 |
| | p-NF1 (2783) | 0.97 | 1.15 | 0.42 |
| | p-NF1 (2524) | 1.00 | 1.05 | 1.22 |
| | p-NF1 (2495) | 1.07 | 0.90 | 0.84 |
| | p-NF1 (2580) | 1.20 | 0.57 | 0.82 |
| | p-NF1 (2578) | 1.21 | 0.56 | 1.08 |
| | p-NF1 (2169) | 1.85 | 0.77 | 0.49 |
| ACTG1 | p-ACTG1 (240;241;242) | 0.61 | 1.21 | 1.34 |
| | p-ACTG1 (60;61;62) | 0.82 | 0.81 | 1.20 |
| | p-ACTG1 (203) | 1.65 | 0.87 | 0.77 |
| | p-ACTG1 (UNK) | 1.89 | 0.81 | 0.95 |
| | p-ACTG1 (199) | 3.98 | 0.34 | 0.44 |
| FGA | p-FGA (502;505) | 7.15 | 0.28 | 0.83 |
| | p-FGA (428;431) | 14.10 | 0.24 | 0.38 |
| DAG1 | p-DAG1 (788) | 8.36 | 0.30 | 0.20 |
| COL2A1 | p-COL2A1 (594;662) | 1.94 | 0.18 | 0.16 |
| MYO1E | p-MYO1E (1001) | 0.86 | 2.06 | 0.28 |
| ANXA2 | p-ANXA2 (184) | 1.09 | 0.88 | 1.49 |
| MYH11 | p-MYH11 (1954) | 0.98 | 1.10 | 0.89 |
| SPOCK2 | p-SPOCK2 (74;72) | 0.91 | 1.18 | 1.11 |

Numbers in parenthesis indicate phosphorylated residues. Comma separation indicates multiple phosphorylation. Semicolon separation indicates possible residue location