**Supplementary File 4. Dissociation constants for peptides derived from human proteins binding to monomeric EVH1 domains from ENAH, VASP, and EVL**.a

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Sequence** | **ENAH KD (μM)** | **VASP KD (μM)** | **EVL KD (μM)** |
| ActA | GFNAPATSEPSSFE**FPPPP**TEDELEIIRETASSLDS | 4.9$\pm $ 0.5 | 10.9 $\pm $ 0.5 | 2.8 $\pm $ 0.3 |
| ABI1 | FDD**FPPPP**PPPPVDYEDEEAAVVQYNDPYADGDPAW | 2.6 $\pm $ 0.6 | 14.1 $\pm  $1.0 | 12.3 $\pm  0.$3 |
| LPP | KQPGGEGDF**LPPPP**PPLDDSSALPSISGN**FPPPP**PL | 4.7 $\pm $ 2.4 | 14.4 $\pm  $0.4 | 31.6 $\pm  2.4$ |

a Affinities obtained using BLI as described in the methods. Errors are the standard deviation of three replicates.