**Supplementary File 3. Dissociation constants for ABI1-derived peptides binding to ENAH EVH1 domain.** Errors reported as the standard deviation of two or three replicates.

|  |  |  |
| --- | --- | --- |
| **Name** | **Sequence** | **KD (μM)**a |
| ABI1 | FDD**FPPPP**PPPPVDYEDEEAAVVQYNDPYADGDPAW | 2.4 0.1 |
| ABI1 b | FDD**FPPPP**PPPPVDYEDEEAAV | 3.9 0.9 |
| ABI1 a | FDD**FPPPP**PPPPVDYED | 4.3 |
| ABI1 ala | FDD**FPPPP**PPPPVAYAA | 8.5 0.9 |
| FDDFP8 | FDD**FPPPP**PPPP | 9.5 0.9 |
| FP8 | **FPPPP**PPPP | 28.4 5.7 |
| FP4S4 | **FPPPP**SSSS | 110 9.2 |

a Affinities determined by BLI as described in the methods.