

**Table S2 – Additional RGD integrin-binding sites in ancestral fibrillin sequences**

| <b>Species</b>                                                                     | <b>Domain</b> | <b>Comments</b>                                                                                                                      |
|------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <i>Harpegnathos saltator</i>                                                       | EGF1          | Honey bee has RGE                                                                                                                    |
| <i>Acyrtosiphon pisum</i>                                                          | cbEGF2        |                                                                                                                                      |
| <i>Ciona intestinalis</i>                                                          | cbEGF8        |                                                                                                                                      |
| <i>Harpegnathos saltator</i><br><i>Apis mellifera</i><br><i>Acyrtosiphon pisum</i> | cbEGF18       | This sequence is further downstream of the fibrillin-3 RGD site found in cbEGF18 in humans and chimpanzees; other sequences have XGD |
| <i>Branchiostoma floridae</i>                                                      | cbEGF28       |                                                                                                                                      |
| <i>Lottia gigantea</i>                                                             | cbEGF30       |                                                                                                                                      |
| <i>Pediculus humanus corporis</i><br><i>Acyrtosiphon pisum</i>                     | TB6           | Similar non-RGD sequences in other arthropods, sea lamprey, lizard, frog, chicken, and zebrafish                                     |
| <i>Nematostella vectensis</i><br><i>Ixodes scapularis</i>                          | cbEGF35       |                                                                                                                                      |