**Table S6.** The genes included in the Notch signaling pathways of *O. sinensis* and their annotations

|  |  |  |
| --- | --- | --- |
| **Gene ID** | **Nr annotation** | **Expression pattern** |
| EVM0000797 | PREDICTED: recombining binding protein suppressor of hairless-like isoform X5 [Octopus bimaculoides] | + |
| EVM0008462 | PREDICTED: neurogenic locus protein delta-like [Octopus bimaculoides] | + |
| EVM0014946 | PREDICTED: fibropellin-1-like isoform X2 [Octopus bimaculoides] | + |
| EVM0015391 | PREDICTED: E3 ubiquitin-protein ligase DTX4-like [Octopus bimaculoides] | + |
| EVM0017101 | PREDICTED: neurogenic locus notch homolog protein 1-like [Octopus bimaculoides] | + |
| EVM0018047 | PREDICTED: fibropellin-1-like isoform X2 [Octopus bimaculoides] | + |
| EVM0020821 | PREDICTED: delta-like protein 1 [Octopus bimaculoides] | + |
| EVM0023977 | segment polarity protein dishevelled homolog DVL-3-like isoform X3 [Mizuhopecten yessoensis] | + |
| EVM0026176 | PREDICTED: fibropellin-1-like isoform X2 [Octopus bimaculoides] | + |
| EVM0028802 | protein hairy-like isoform X2 [Mizuhopecten yessoensis] | + |

Note: “+” means up-regulated, “-” means down-regualted.