|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***TGFβ Ligands*** |  | *Isoforms?* |  |  | *Isoforms?* |
| ***dpp***  | *TRINITY\_DN43272\_c4\_g1\_i1* |  | ***BAMBI*** | *no clear candidate* |  |
| ***dpp2*** | *TRINITY\_DN36587\_c2\_g1\_i1* |  | ***Cripto*** | *no clear candidate* |  |
| ***gbb***  | *TRINITY\_DN36559\_c5\_g1\_i1* |  | ***Crossveinless/Tsg***  | *TRINITY\_DN44801\_c8\_g1\_i1* | *2* |
| ***ADMP***  | *TRINITY\_DN39293\_c1\_g1\_i6* | *5* |  | *TRINITY\_DN36254\_c5\_g1\_i3* | *3* |
| ***BMP3 (GDF10)***  | *TRINITY\_DN40222\_c2\_g1\_i2* | *2* | ***Kielin/Chordin-like*** | *no clear candidate* |  |
| ***Myostatin (D, T)*** | *TRINITY\_DN40630\_c10\_g1\_i1* |  | ***Crossveinless 2/ BMPER*** | *TRINITY\_DN38054\_c10\_g1\_i1* |  |
| ***Inhibin/Activin***  | *TRINITY\_DN38503\_c6\_g1\_i1*  | *2* | ***Dan*** | *TRINITY\_DN43618\_c3\_g1\_i1* |  |
| ***Maverick***  | *TRINITY\_DN40148\_c2\_g1\_i1* |  |  |  |  |
| ***BMP15/GDF9***  | *TRINITY\_DN64555\_c0\_g1\_i1*  |  | ***Gremlin*** | *TRINITY\_DN44207\_c6\_g1\_i1* |  |
| ***ALKs*** |  |  |  |  |  |
| ***BMP receptor1***  | *TRINITY\_DN40849\_c4\_g1\_i4* | *4* | ***Follistatin*** | *TRINITY\_DN42584\_c3\_g1\_i1* |  |
| ***TGF receptor 1 (?)*** | *TRINITY\_DN34065\_c3\_g1\_i3* | *2* |  |  |  |
| ***activin receptor saxophone*** | *TRINITY\_DN39845\_c0\_g1\_i1* |  | ***Noggin*** | *TRINITY\_DN43642\_c1\_g1* | *2* |
| ***activin receptor 2*** | *TRINITY\_DN35393\_c5\_g2\_i2* | *2* |  |  |  |
| ***BMP receptor 2*** | *TRINITY\_DN39452\_c4\_g1\_i1* | *2* | ***Short gastrulation /Chordin*** | *no clear candidate* |  |
| ***SMADs*** |  |  |  |  |  |
| ***MAD*** | *TRINITY\_DN44474\_c5\_g1* | *4* | ***SMURF*** | *TRINITY\_DN37982\_c4\_g1\_i1* |  |
| ***DAD*** | *TRINITY\_DN43199\_c12\_g1\_i1* |  |  |  |  |
| ***Medea*** | *TRINITY\_DN39054\_c2\_g4* | *2* | ***Tolloid*** | *TRINITY\_DN35005\_c2\_g1* | *2* |
| ***Smox*** | *TRINITY\_DN36276\_c1\_g2\_i7* | *3* |  |  |  |
|  |  |  | ***Pentagone:*** | *TRINITY\_DN35624\_c3\_g2\_i5* | *10* |
| ***Brinker*** | *TRINITY\_DN38911\_c1\_g1\_i1* |  |  |  |  |
|  |  |  | ***Schnurri:*** | *TRINITY\_DN35805\_c2\_g1\_i1* |  |

Supplementary file 4*.* Recovery of the TGFβ/BMP pathway of *G. bimaculatus,* Summary. Where multiple isoforms are present, this is noted in the appropriate column.