**Table** **S1.** List of the genus *Trichotorquatus* species and GenBank accession numbers used in pairwise genetic distance.

|  |  |  |  |
| --- | --- | --- | --- |
| **Species** | **Strain** | **Accession numbers** | **Reference** |
| *Trichotorquatus* *salinus* | FBCC-A1483 | OP058661 | This study |
| *T*. *salinus* | FBCC-A1484 | OP058662 | This study |
| *T*. *salinus* | FBCC-A1485 | OP058663 | This study |
| *T*. *salinus* | FBCC-A1486 | OP058664 | This study |
| *T*. *salinus* | FBCC-A1487 | OP058665 | This study |
| *T*. *salinus* | FBCC-A1488 | OP058666 | This study |
| *T*. *andrei* | WJT19-NPBG5 clone P19C | KC525094 | Pietrasiak et al. [2] |
| *T*. *andrei* | WJT9-NPBG15 | KJ938998 | Pietrasiak et al. [2] |
| *T*. *andrei* | WJT54-NPBG7 clone B | KJ939000 | Pietrasiak et al. [2] |
| *T*. *andrei* | WJT55-NPBG7 | KJ939001 | Pietrasiak et al. [2] |
| *T*. *andrei* | CMT-3FSIN-NPC33 clone P20F | MK188312 | Pietrasiak et al. [2] |
| *T*. *andrei* | CMT-3FSIN-NPC37 clone PCI151B | MK188315 | Pietrasiak et al. [2] |
| *T*. *andrei* | CMT-3SWIN-NPC29 clone P19D | MK188317 | Pietrasiak et al. [2] |
| *T*. *andrei* | WJT55-NPBG7 clone P44B | MK188329 | Pietrasiak et al. [2] |
| *T*. *coquimbo* | ATA2-1-KO25A clone P69D | MH427708 | Pietrasiak et al. [2] |
| *T*. *coquimbo* | ATA2-1-KO25A clone P69C | MH427709 | Pietrasiak et al. [2] |
| *T*. *coquimbo* | ATA2-1-KO25A clone P69A | MK188309 | Pietrasiak et al. [2] |
| *T*. *coquimbo* | ATA2-1-KO25A clone P69B | MK188310 | Pietrasiak et al. [2] |
| *T*. *ladouxae* | TAA2-2HA1-27.2 | HM018680 | Pietrasiak et al. [2] |
| *T*. *ladouxae* | WJT36-NPBG11 | KJ939002 | Pietrasiak et al. [2] |
| *T*. *ladouxae* | WJT40-NPBG3 | KJ939003 | Osorio-Santos et al. [53] |
| *T*. *ladouxae* | WJT66-NPBG9 | KJ939004 | Pietrasiak et al. [2] |
| *T*. *ladouxae* | FI2-1HA2 | KJ939005 | Osorio-Santos et al. [53] |
| *T*. *ladouxae* | WJT36-NPBG11 clone P31D | MK188326 | Pietrasiak et al. [2] |
| *T*. *ladouxae* | WJT66-NPBG9 clone P49F | MK188330 | Pietrasiak et al. [2] |
| *T*. *maritimus* | SMER-A clone PA | MK188320 | Pietrasiak et al. [2] |
| *T*. *maritimus* | SMER-A clone PB | MK188321 | Pietrasiak et al. [2] |
| *T*. *maritimus* | SMER-A clone PC | MK188322 | Pietrasiak et al. [2] |
| *T*. *maritimus* | SMER-A clone PD | MK188323 | Pietrasiak et al. [2] |
| *Trichotorquatus* sp. 5 | WJT32-NPBGA | KJ939006 | Pietrasiak et al. [2] |
| *Trichotorquatus* sp. 5 | WJT32-NPBGA clone P27G | MK188325 | Pietrasiak et al. [2] |
| *Trichotorquatus* sp. 5 | WJT32-NPBGA clone P27A | MH427710 | Pietrasiak et al. [2] |