# Supplementary file 3

**Table S3. Nucleotide sequence of probes for colorimetric *in situ* hybridization**

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| *Ov-ascl1* | AAGCAGCGGCACGAAATACAATGACAGCGGCACTGGTGCCGGAACCAATGGTGGTAGAGTCGACGCTGACGTCATCGGCTACAACCACGACAACGACGGCGACTGCGATGATGGCTGCGACGACGACGACGAACGCGTTTTCAACGACGGCGAAAGCATTTTCAACGACCACGGCAGTGGCGGCAACGAACGGGTTTCCAACGACGACGACGACGGCGGCGACCACAAACTCCACAACGACGACGACGACTCCCAATTCGAAATCAGTCCGTACGATATCGATGAAAGAGAACGCACGCGAGCTGATGAACTGTAAGCGACGTCTTGATTTCAACCACACCAACTACTTGCCGTTGCATCGACCACAGACAGTTGCCGTGGCTCGGCGCAACGAACGCGAAAGGAACCGCGTTAAGTTGATCAACATGACTTTTGCCACGCTTAGAGAACATATACCGAACGGTCCGAAGGGCAGTAAGAACAAAAAAATGAGCAAAGTAGAAACTTTACGAGCAGCCATTGACTACATCCACTATCTACAGGACCTTGTTGAGGATAGTGACACCG |
| *Ov-elav* | GAACACACTGAGACAGAATGATTTAGATCAAGGACTGCCGGAAACAGCTAACACTGACTTTCACTGTGACCTGCTTCCGGCAGCACGAAATGCATCAACCGATGCGGAAAAATGTCAGAGTTTAGGTTATGGCTTTGTTAACTACAAATACCCTAGTGATGCAGAAAAGGCAATCAATACTTTAAATGGATTGAGATTACAAAATAAAACAATAAAGGTTTCATATGCCCGACCAAGCAGTGAAAGTATTAAAGGGGCAAACTTGTACATAAGTGGCTTGCCAAAGTCTTTCACTCAGTTGGACTTGGAGAAATTGTTTTCTCAGTGTGGATTCATTATAACATCCAGAATTCTTTATGACAATAACACAGGCTTATCCAAAGGTGTTGGCTTCATCCGATTTGATCAACGAATCGAAGCTGAAAGAGCTATCCAAAAATTACACGGTACCATTCCTGAAGGAGCAACTGAACCTATTACTGTAAAGTTTGCTAACTCTCCAAGCTCAAATAAAAATGCTGTACCTCTAGCTTTAGCAGCTTCATATTTATCACCAAGTAGGAGAATCTTTGGTCCAATTCATCATGCTGCTGGAAGATTCAGATACTCACCATTGGAAGCTAGTCTACTGCCAGGAACAATACTTCCAGGGAATGCTCTAAATGGCACTGGTTGGTGTATTTTTGTATACAACCTTGCACCAGACACTGAGGATGATGTACTTTGGCGTCTCTTTGG |
| *Ov-neuroD* | TGGTGACAGCAGTAGCGAGTTGTTGGGTGATGGTTCTTTGCTAGATGACACATGTTCAGAAGATGACTTGGATGATTATGGCAGCGAACCAGAAGATTGCCTGGAAGGCATGACTGGTAATGAAGACGAACAAGAAATGAGTGATACAAAGATGAAGAAAAGCGCGAAAAACTATCCTTACCGCAGGAAGAAGGAAGAGAAACCGTCTTCCAAAGACAAGAACGAACCACGTCTTCCAAAGAAACGTGGTCCAAAGAAGAAACGGATGACAAAAGCGCGAGTGCAAAAATTACGCTTGCGACGAGTTAAAGCAAATGCACGAGAACGCAACCGCATGCATGGTTTGAACGATGCATTGGACACTTTGCGATTGCACGTGCCATGCACGTCCAAGACACAGAAGCTATCGAAAATTGAAACGTTACGATTGGCACGCAATTATATCAGTGCCTTGGGAGAAATTTTAAAAAATGGTACTAAACCAGATGGTGTCAGTTTTGCGAAAGCTTTGTCAAAAGGTCTTTCTCAAAACACAATGAATCTCGTTGCTGGATGTCTTCA |
| *Ov-ngn* | TCATCTTCGTCGCTGTCATTTTCTCCTCTTTATACCGGCGACCACAAAGTGCCCGCGTTAAAATCGAACCTGCAACAGTTATTACCACAAAACCAACCGCAAAATGAACGACAGCCTGAGTCTCAGCTTCAGCAAGAGTCGAAACCGCAACCTCAGCAACAACCGGATATGAAGGCAGCCGTTGCATGTCCGGTTTTGTTACCCACCTCCGCGGCACAGTGCAAGGATACTGTCGTGCCAACGAACTCTATTAACACAACTGCAGAAACAACAACAACAACAGCATCATCATCATCATCATCATCATTAGCAGCACCAAGAACAAAAGCAACAACAACAAGGAGAAAAATAACGGAAATGACAAAAGCAACGAGACCACCAATAATATCACGATCACCACCAACATCATCATCATCATCATCATCATCATCATCATTATCGTCCTCTTCACCGTTAACGTCTCGTGCATCTCCATTATCATCATCATCACCACCATCGTCAATACCAATAATATCCTCGTCAACTGATTCCGTTGACGGGTTGAAAAGAAAACAAGTAAGTCCGGAAAAAAACTGCGGCGCGAAGCGACGTAACGGACCCACGGCAAAGAAAAAGCGTTACACCAAGTCACGGATTCGAAACTGTAACCCTTTGATTGTGATGAAAATCAAGAGAAACAGACGAATGAAAGCCAACGACCGAGAACGTTCTCGAATGCACAGCTTAAACGATGCTTTGGATTGTCTTCGAGAAGTTCTACCAAATTATTCAGACGAAGGGAAATTGACCAAAATTGAAACGCTGCGTTTCGCCCACAATTACATCTGGACCCTGAG |
| *Ov-pcna* | ATGGGACTGTAGTTCAACAGGAATAAGTTTACAAGCTATGGATTCATCACATGTTAGTTTAGTTTCTTTATTATTACGTGCAGATGGCTTTGATACTTACAGATGTGATCGCAACTTGTCAATGGGCATCAACCTCAACAGCATGTCCAAGATCCTCAAATGTGCCTGCAATGATGATATAATCACAGTGAAAGCTGAAGATAATGCTGATACAGTCACTTTCGTTTTTGAATCTCCAAATCAAGAAAAAGTCTCTGATTATGAAATTAAATTGATGGACATTGATTCTGAACATTTAGGTATTCCTGATACTGAGTACAACTGTGTTGTAAAACTTCCTTCAGCTGAATTCCAAAGAATATGTCGAGATTTGAGCCAAATTGGTGATTCTGTTGTGATTTGTTGTACAAAAGAAGGAGTTAAATTCTCAGCCAGTGGTGATCTTGGATGTGGTAACATCAAGTTAGCCCAAAGTACCAATGCTGATAAAGAGGAAGAGTCTGTCACTATTGAAATGAACCAGTCTGTTGTGCTGACATTTGCTCTGCGATATTTGAATTTCTTCACCAAAGCTACACCATTGTCTACTCATGTTACACTCTCTATGTCACAAGACGTTCCACTTGTGGTGGAATACAAAATAGCTGATACAGGTTACATCCGATATTATCTGGCACC |
| *Ov-soxB1* | CAGTCGCAGAAGAACAACCAGGATCGGGTTAAAAGACCTATGAATGCTTTCATGGTCTGGTCCCGTGGACAGAGGCGGAAAATGGCACAGGAAAATCCTAAAATGCACAATTCGGAGATTAGTAAACGACTTGGCGCCGAATGGAAACTATTATCCGAATCTGAGAAGCGACCCTTTATCGACGAAGCTAAACGCCTACGTGCGATCCACATGAAAGAACACCCTGATTACAAATACAGACCCCGGCGAAAGACGAAGACTCTTATGAAAAAAGATAAATACGCGATACCAGGAATGCCACCAGGGGCTCCAGTTCAACAGGTAGGCCGAGAGATGTACCAGATGAACGGGTACATGCCGAACGGCTATCCTATGATGCCCCCTGATCCGAACGCTTACCATCAACACATGTCGAACCCAATGTTGGGCGGACAATATGGATATAACATTCCAACTCAACCCATGTCAACACAGATGACCACCGGTTCATATATGAACGGCAGCTCCAGCTACACCATGACAATGGCCCCATACTCAATGTCCCCATCTCAGGTGCCTCAAAT |
| *Ov-syt* | GCAGGAGAGGGAAGAAAGATGGCAAAAAGGGGCTAAAAGGAGCAGTTGACCTCAGAAGTGTGCAGATTCTGGGCAATTCCATCAAAGAAAAGCCGGACTTAGAGGAGCTGCAAATGAATATGGAAGAGAATGAAGATGCTGAAAGTACAAAATCTGAAGTAAAATTAGGGAAACTCCAATATTCAATGGACTACGATTTTCAGAAAGGCGAGCTAACAGTAAATGTAATACAGGCTGCCGACCTACCTGGGATGGATGTGTCTGGGACGTCTGACCCATACGTCAAAGTCTATCTAATGCCCGACAAAAAGAAGAAATTTGAAACAAAAGTCCATCGGAAAACACTGAATCCAGTATTTAATGAATCCTTCACATTTAAGAACGTACCTTATGCTGATATTACGGGTAAGACGCTAATATTTGCGATCTACGATTTTGATCGCTTTTCAAAGCATGACCAAATTGGTCAAGTCCAAGTTCCAATGAATTCTATAGATCTTGGATCAGTAATTGAAGAATGGAGGGATCTCACCAGTCCTGATAATGATGCTGAGAAAGAAAACAAGCTTGGTGATATATGTTTCTCATTGCGCTATGTCCCCACTGCTGGCAAATTAACTGTGGTCATCCTGGAAGCCAAAAACCTCAAGAAGATGGATGTAGGAGGATTATCAGATCCTTATGTTAAGATATCTCTGATGCTAAACGGTAAAAGAATTAAGAAGAAGAAAACCACTGTCAAGAAATGTACACTGAATCCATACTACAATGAATCATTTGCGTTTGAAGTCCCCTTTGAACAAATACAGAAAGTGTCCCTTTACATCACAGTCGTTGACTACGATCGTATCGGGACGTCCGAACCTATCGGACGAACCTTCCTTGGCTGCAACTCCACTGGTACTGGATTGCGTCATTGGAG |