**S1 Table.** The primers for construction of FP clones.

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| **Fluorescent proteins** | **Forward primers** | **Reverse primers** |
| mNeptune and its derivatives | 5' ATAGGATCCATGGTGTCTAAGGGCG  AAGAGCTGATTA 3' | 5' ATAGAGCTCTTACTTGTACAGCTCGT  CCATGCCATTA 3' |
| eqFP670  TagRFP675 | 5' ATATGGATCCATGGGAGAGGATAGC  GAGCTGATCTCCGAG 3'  5' ATATGGATCCATGAGTGAGCTGATTA  AGGAGAACATGCACATGAAGCTG 3' | 5' TATAGAGCTCTAGCTGTGCCCCAGTT  TGCTAGGCAGGTCG 3'  5' GCATGAGCTCTTAATTAAGTTTGTGC  CCCAGTTTGCTAGGGAG 3' |