**Supplementary Table S5:** Primers used in this work

| Primer | Primer Use                               | Sequence                                      |
|--------|------------------------------------------|-----------------------------------------------|
| 1      | In situ tagging                          | tacttcaatctaattaattgcAGACAACAGCGCAGTCCAAGTCTTG |
| 2      | In situ tagging                          | tcctcaatctaattaattgcCCCAGACCCGCCGCTGGAGAGTGCC |
| 3      | Promoter Insertion 5’ flanking sequence fragment | CATATGAAATTAGACAGAAGTGGCCAGAAG              |
| 4      | Promoter Insertion 5’ flanking sequence fragment | CATATGTTCCGCGACAGACACAAGAGAGATC            |
| 5      | Promoter Insertion 5’ coding sequence fragment | AGATCTATGACGCTCGTACTCGACACC           |
| 6      | Promoter Insertion 5’ coding sequence fragment | CCTAGGGATTCAGAAACGAATTACAGAG           |
| 7      | Full-length cDNA F                        | AGATCTATGACGCTCGTACTCGACACC           |
| 8      | Full-length cDNA R                        | CCTAGGGATTCAGAAACGAATTACAGAG           |