**S4_Table. The predicted potential 6 off-target sites for SMAD4**

| Name | Chromosome | Sequence information                |
|------|------------|-------------------------------------|
| OFF 1| 2          | TGTTACCATAGCAGAGGACAT               |
| OFF 2| 23         | TTTTACCATAAAGAGAACTT                |
| OFF 3| 11         | TCTTACCATTCAGAGAAGCAT              |
| OFF 4| 7          | TGTTTGCATACAGAGAAGAT               |
| OFF 5| 9          | TGATCCATACAGAGAAGAT                |
| OFF 6| 1          | TGTTACCAGCCAGAGAACACT              |