Table S2. The sequences of the *AIP4* promoter and the mutants driving the luciferase promoter.

| Name          | Location     | Sequence                                                                 |
|---------------|--------------|--------------------------------------------------------------------------|
| Widetype      | hg38_dna     | GGCCCGCCGCCCTCACAGGGCCACGTCCGGCCCGCG |
|               | range=chr20: | CCGGCCCCCGCCGGCCGGGCCCAGCTGGAGAGGG |
|               | 34362774-34  | ACCGCTGGAGAGTGCCGAGCGGGGCTGGAGAG |
|               | 363773       | GGCCAGAGCTTCAAGCTTCGAGAGAGAGCCAGAGAG |
|               |              | ACCGCTGGAGAGTGCCGAGCGGGGCTGGAGAG |
|               |              | CCGGCCCCCGCCGGAGCCGCGGAGCTGGAGAG |
|               |              | CCGGCCCCCGCCGGAGCCGCGGAGCTGGAGAG |
| Mutant        | hg38_dna     | GGCCCGCCGCCCTCACAGGGCCACGTCCGGCCCGCG |
|               | range=chr20: | CCGGCCCCCGCCGGCCGGGCCCAGCTGGAGAGGG |
|               | 34362774-34  | ACCGCTGGAGAGTGCCGAGCGGGGCTGGAGAG |
|               | 363773       | GGCCAGAGCTTCAAGCTTCGAGAGAGAGCCAGAGAG |
