**Oligo nucleotide sequences used.**

**Name Sequence**

IE34 pAGA1 ChIP qPCR fw AGGGTACCTGTCACATATATTCTCA

IE35 pAGA1 ChIP qPCR rv ATTATGTTACAGCCGCGTTTTG

HMR1F\_RT acgatccccgtccaagttatg

HMR1R\_RT cttcaaaggagtcttaatttccctg