

**Supplemental Table S5** The nucleotide sequence of clusters of miRNA binding sites in orthologous candidate genes of HER2 subtype.

Gene	Nucleotide sequence of cluster	Species
<i>EPOR</i>	gcccggggcgggggacggaggggcag gccaggggccccgggacggaggggcag gccaggggccccgggacagaggggcag gccaggggccccgggacggaggggcag gccaggggccccgggacagaggggcag gccaggggccccgggacggaggggcag gccaggggccccgggacggaggggcag	<i>Hsa</i> <i>Ptr</i> <i>Mml</i> <i>Ggo</i> <i>Pan</i> <i>Ppa</i> <i>Pab</i>
<i>MAZ</i>	ggccggggugcgcgggcgcgggggcgccgcgg ggccggggugcgcgggcgcgggggcgccgcgg ggccggggugcgcgggcgcgggggcgccgcgg	<i>Hsa</i> <i>Ptr</i> <i>Pab</i>
<i>MAZ</i>	cgccccgagccccggggccccgcggccccgcgcccccgccccg cgccccgagccccggggccccgcggccccgcgcccccgccccg cgccccgagccccggggccccgcggccccgcgcccccgccccg	<i>Hsa</i> <i>Ptr</i> <i>Pab</i>
<i>MAZ*</i>	gcccgcgcggcgcccccgccccacgccccaggcc gcccgcgcggcgcccccgccccacgccccaggcc gcccgcgcaggcgcccccgccccacgccccaggcc	<i>Hsa</i> <i>Ptr</i> <i>Pab</i>
<i>MAZ*</i>	gcggcugcugcgggccgcugcgccgcugcugcgccgcgccccggccccugcgcgccuccua gcggcugcugcgggccgcugcgccgcugcugcgccgcgccccggccccugcgcgccuccua gcggcugcugcgggccgcugcgccgcugcugcgccgcgccccggccccugcgcgccuccua	<i>Hsa</i> <i>Ptr</i> <i>Pab</i>
<i>MAZ*</i>	aggccgcgcccccgcccccgccccg aggccgcgcccccgcccccgccccg aggccgcgcccccgcccccgccccg	<i>Hsa</i> <i>Ptr</i> <i>Pab</i>
<i>MAZ*</i>	gcgagcggcggggggagggggagagggcg gcgagcggcggggggagggggagagggcg gcgagcggcggggggagggggagagggcg	<i>Hsa</i> <i>Ptr</i> <i>Pab</i>
<i>NISCH</i>	ggcgggggcgacggggcgcgggggcgggggcg ggcgggggcgucggggcgcgggggcgggggcg ggcgggggcgagggagcgcgggggcgggggcg ggcgggggcgugggggcgcgggggcgggggcg ggcgggggcgucggggcgcgggggcgggggcg ggcgggggcgucggggcgcgggggcgggggcg ggcgggggcgucggggcgcgggggcgggggcg	<i>Hsa</i> <i>Ptr</i> <i>Pab</i> <i>Ggo</i> <i>Pan</i> <i>Ppa</i>
<i>MAPK3*</i>	ccaauaaacggaucacaguggagg ccaauaaacggaucacaguggagg ccaauaaacggaucacaguggagg ccaauaaacggaucacaguggagg	<i>Hsa</i> <i>Ptr</i> <i>Ggo</i> <i>Pab</i>
<i>BRCA2**</i>	aaaacaucuuuggcugagcucgguggcucaugccuguaaucccaac aaaacaucuuuggcugagcucgguggcucaugccuguaaucccaac aaaacaucuuuggcugagcucgguggcucaugccuguaaucccaac aaaacaucuuuggcugagcucaguggcucaugccuguaaucccaac	<i>Hsa</i> <i>Ppa</i> <i>Ggo</i> <i>Pab</i>
<i>CDK6**</i>	ugcaagagugauugcagcuuuanguucauuugu ugcaagagugauugcagcuuuanguucauuugu ugcaagagugauugcagcuuuanguucauuugu ugcaagagugauugcagcuuuanguucauuugu	<i>Hsa</i> <i>Ptr</i> <i>Pab</i> <i>Ppa</i>
<i>CDK6**</i>	ugugugugugcauguguguguguguguguguguguguguguguguguguguaugugag uguaugugag	<i>Hsa</i> <i>Ptr</i>