## αMHCneoPGKhygro αMHC\_neo sense αMHC\_neo ras PGK hygro sense PGK hygro ras 5157bp→ 419bp 419bp 6669bp 665bp 7334bp 11kb neo PGK hygro 79bp - 5337bp 5398bp - 6201bp 6329bp - 6725bp 6854bp - 7879bp

**SUPPLEMENTARY FIG. S2.** Binding sites of Primers used for clone characterization.