

**Supplementary Fig. S2:** PCR analysis for the presence of target allele(s) (cropped gels displayed). **a)** Amplification of Ax2\* (*GluA1b*) primer with band size of 1319bp is obtained in the positive controls. Lane 1= EJA\_Jitarning, Lane 2= Datatine, Lane3= DBW17, 4= GW173, 5= HI617, 7= DBW16, 8= HD3118, 9= HW2045, 10= K1006, 11= RAH4120, 12= DBW39, 13= HD2270. **b)** Amplification of Bx7 (*GluB1*) primer obtained in Lane 1= EJA Jitarning shows positive for non Bx7 (17+18) band, Lane 13= Barham gives 630+766bp positive for Bx7\*, Lane 2= DBW88, Lane 11= MP3288, Lane 12= DBW110. **c)** Amplification of Dx5 (*GluD1*) primer obtained in Lane 1=Barham, 3=HI1563, 4= DBW14, 5= K307, 6= HUW234, 7= WH1021, 9= RAJ3765 gives 299bp positive for *Dx2* and 2=HD2967 8= Drysdale gives 281bp positive for *Dx5*.