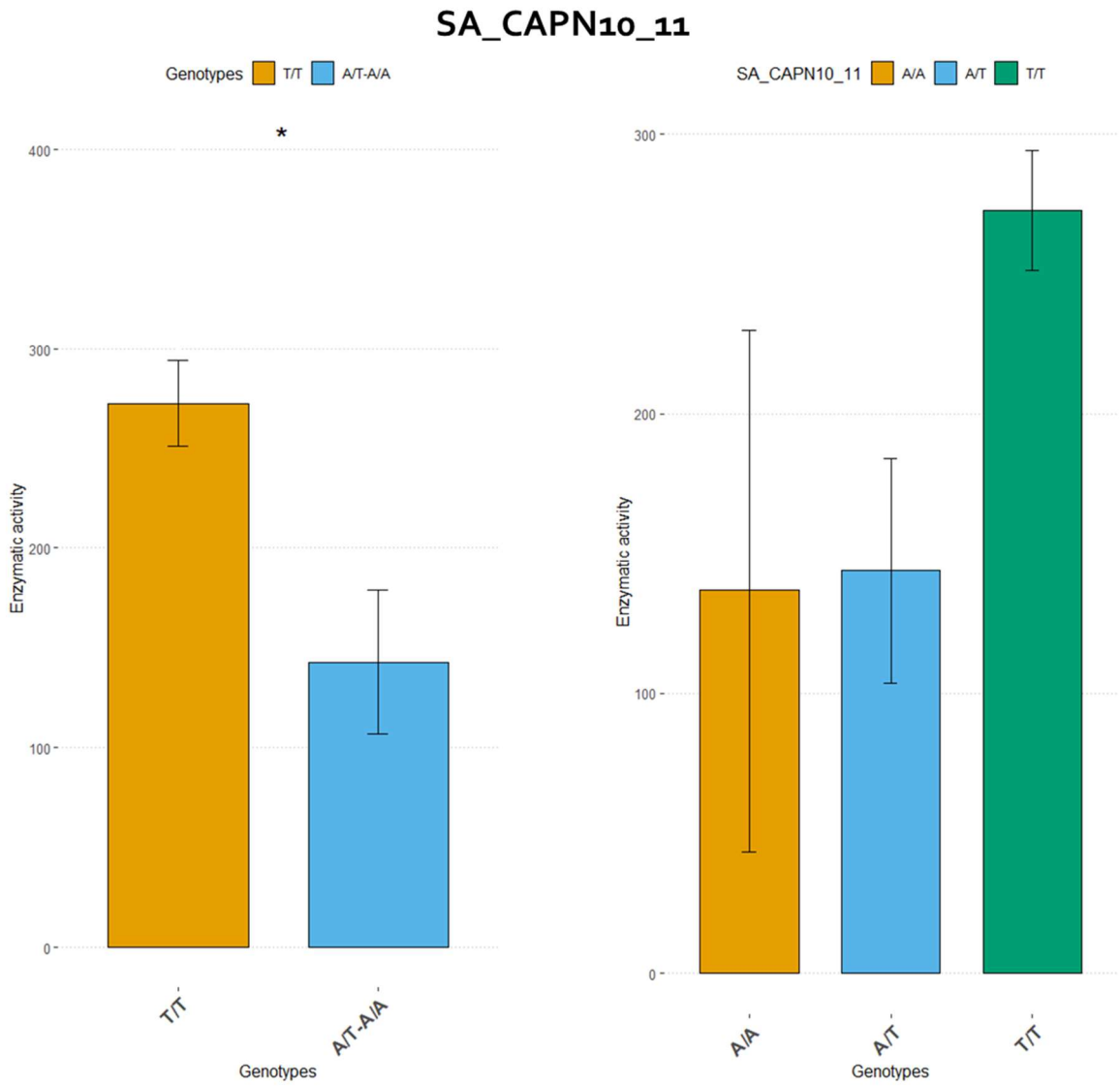

Figure S1. Enzymatic activity of Calpains by each genotype. SA_CAPN10_11 has a dominant model of inheritance.

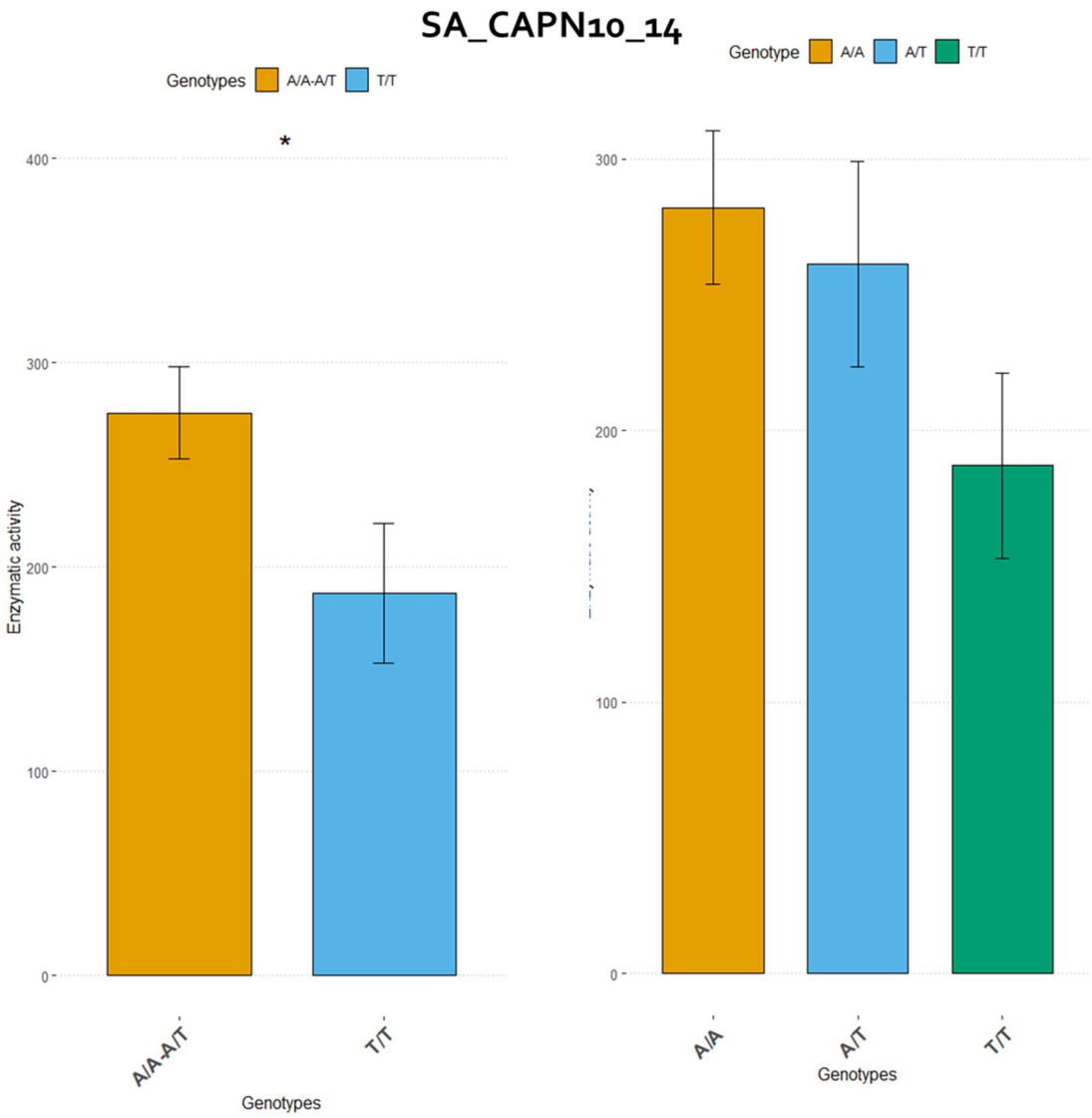

Figure S2. Enzymatic activity of Calpains by each genotype. SA_CAPN10_14 has a recessive model of inheritance.

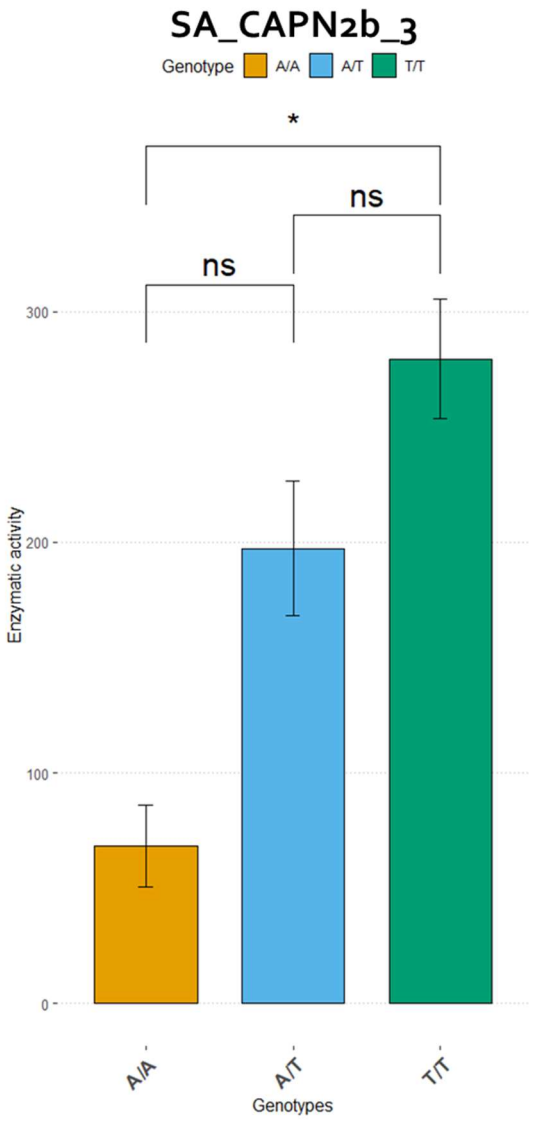

Figure S3. Enzymatic activity of Calpains by each genotype. SA_CAPN2b_3 has a log-additive model of inheritance.

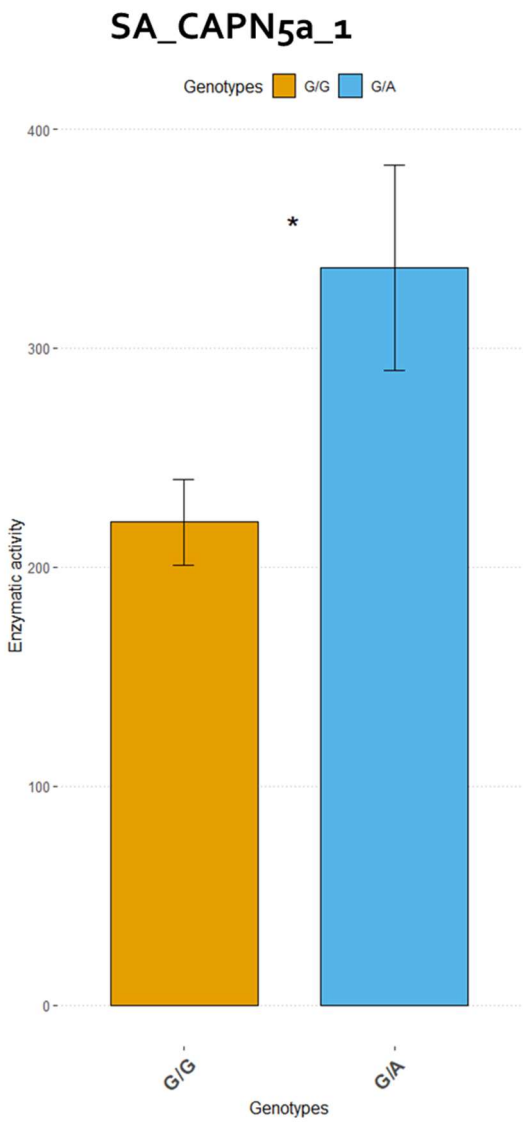

Figure S4. Enzymatic activity of Calpains by each genotype. SA_CAPN5a_1 lacks of the homozygous genotype AA.

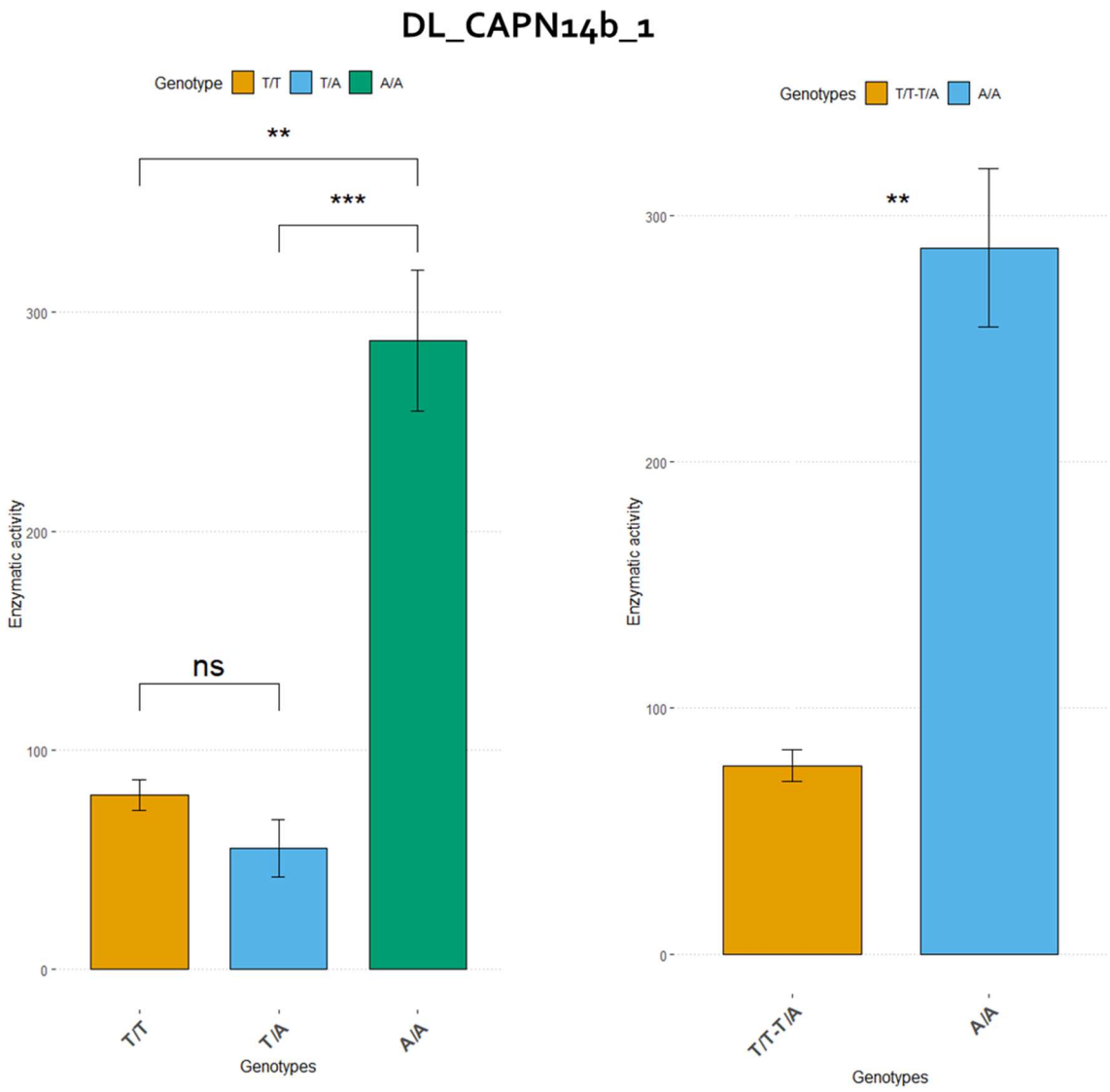

Figure S5. Enzymatic activity of Calpains by each genotype. DL_CAPN14b_1 has a recessive model of inheritance.

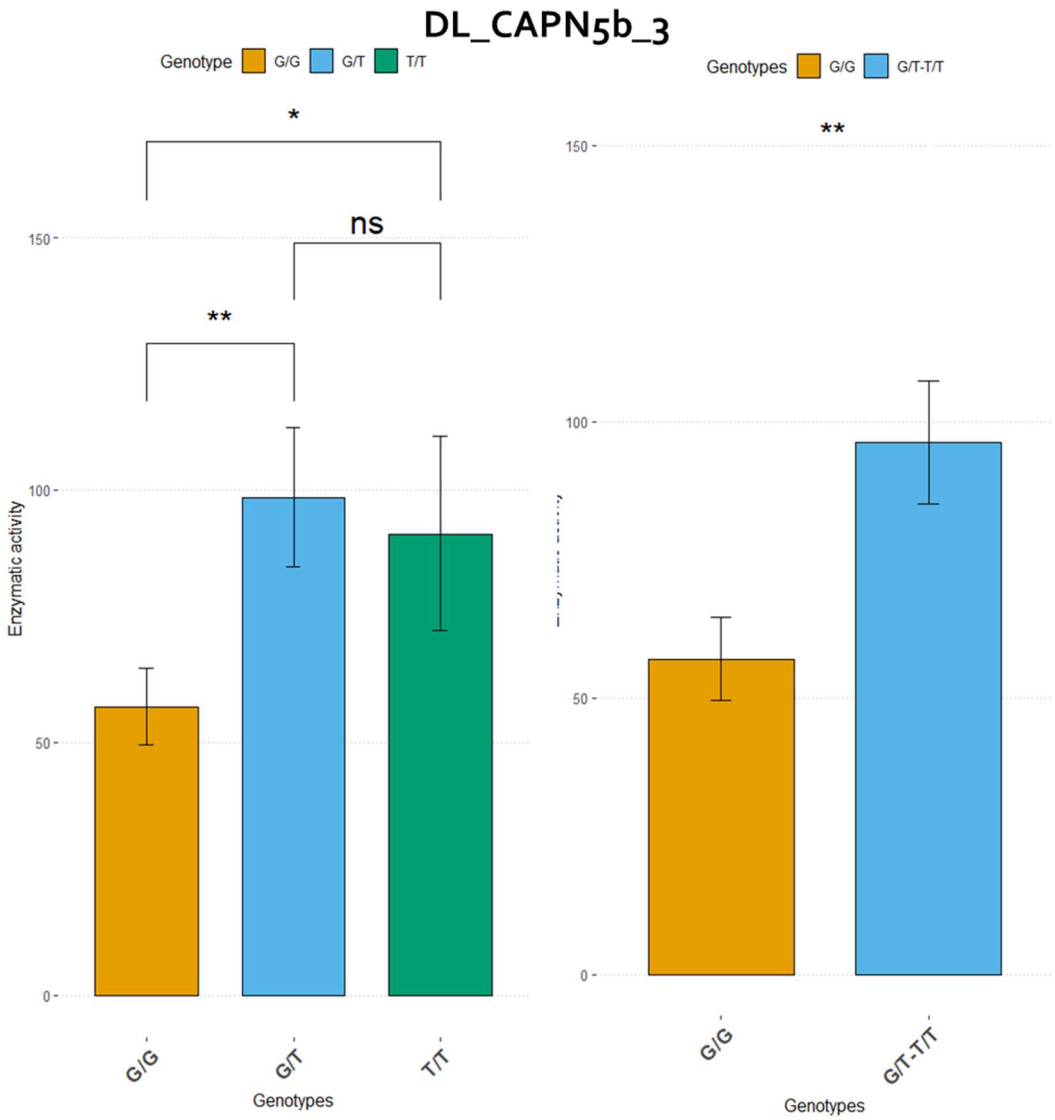

Figure S6. Enzymatic activity of Calpains by each genotype. DL_CAPN5b_3 has a dominant model of inheritance.

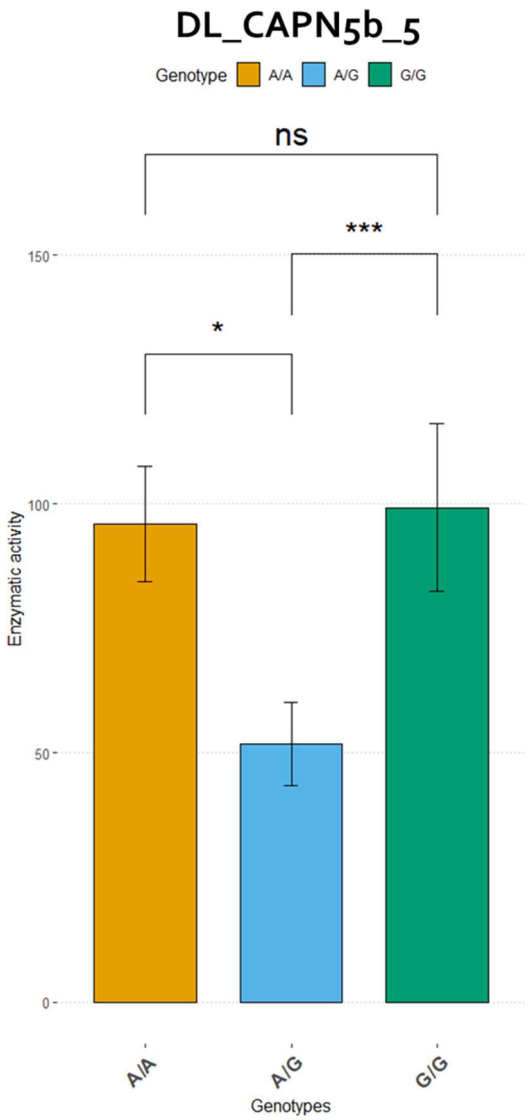

Figure S7. Enzymatic activity of Calpains by each genotype. DL_CAPN5b_5 has an overdominant model of inheritance.

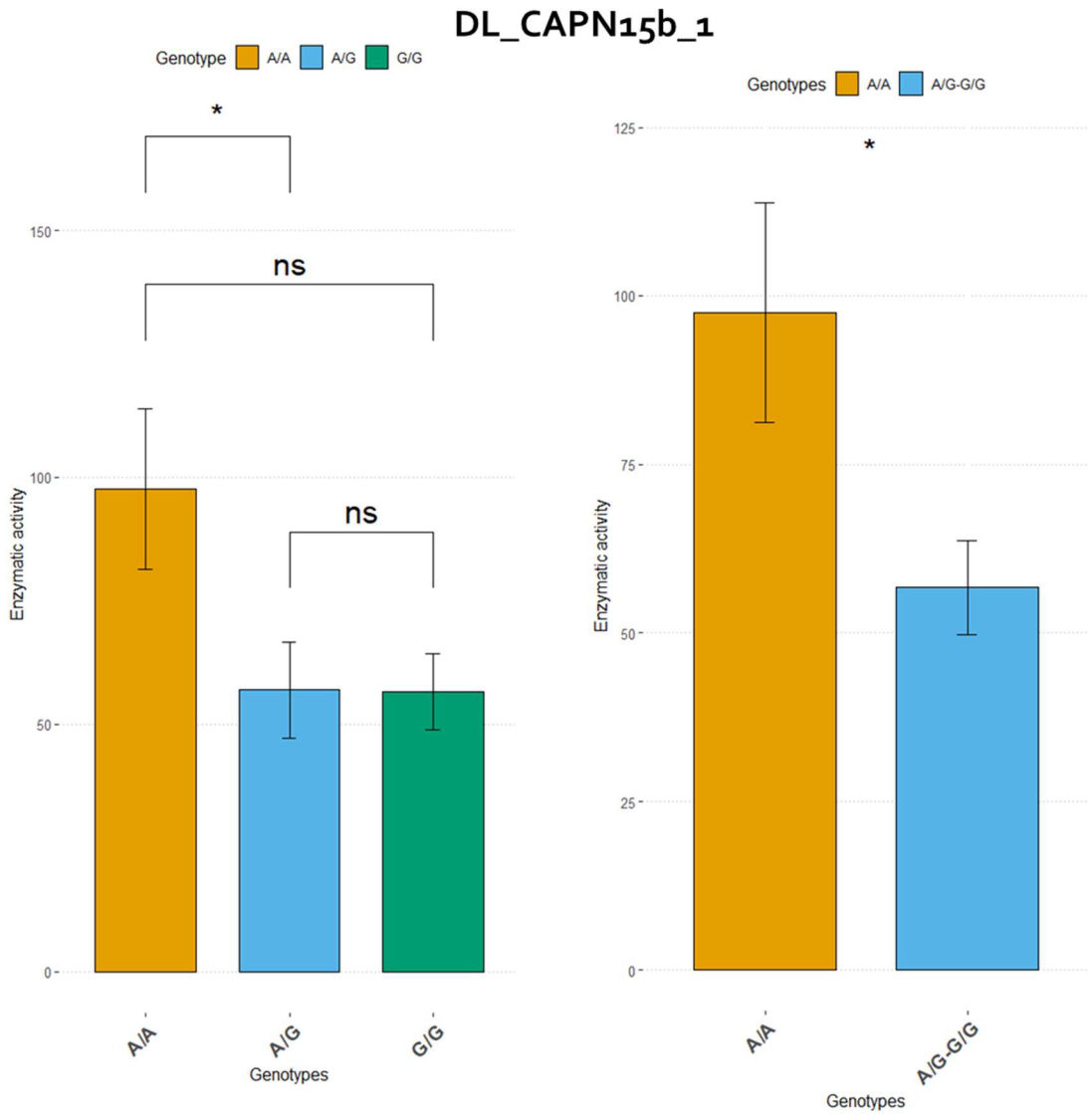

Figure S8. Enzymatic activity of Calpains by each genotype. DL_CAPN15b_1 has a dominant model of inheritance.

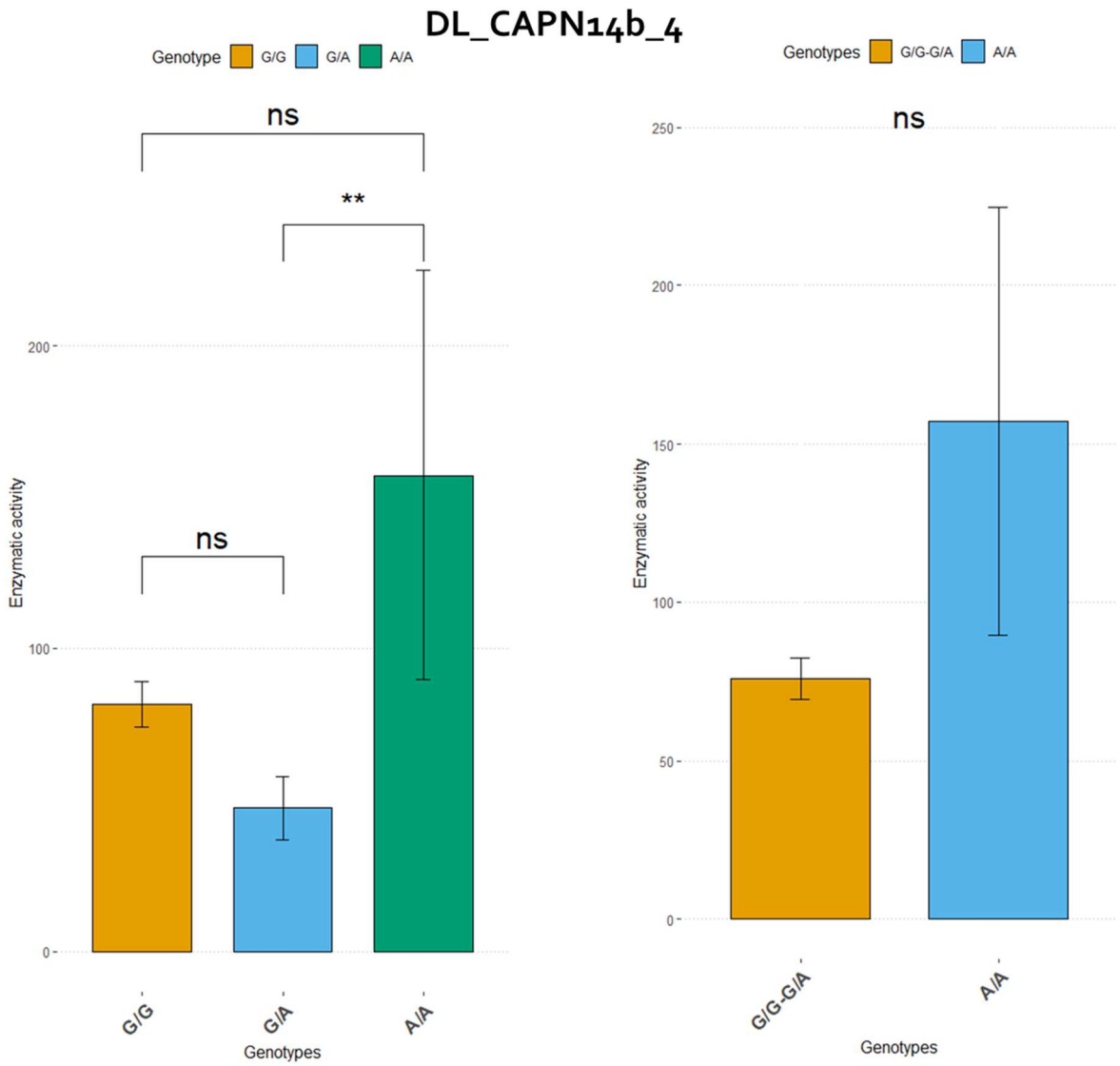

Figure S9. Enzymatic activity of Calpains by each genotype. DL_CAPN14b_4 has a recessive model of inheritance.

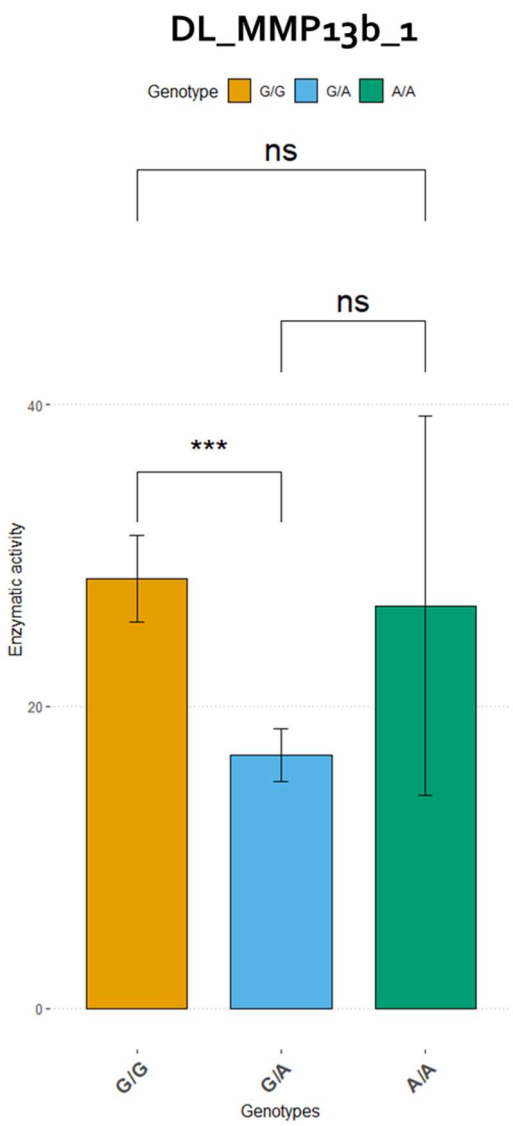

Figure S10. Enzymatic activity of collagenases (metalloprotease) by each genotype. DL_MMP13b_1 has an overdominant model of inheritance.

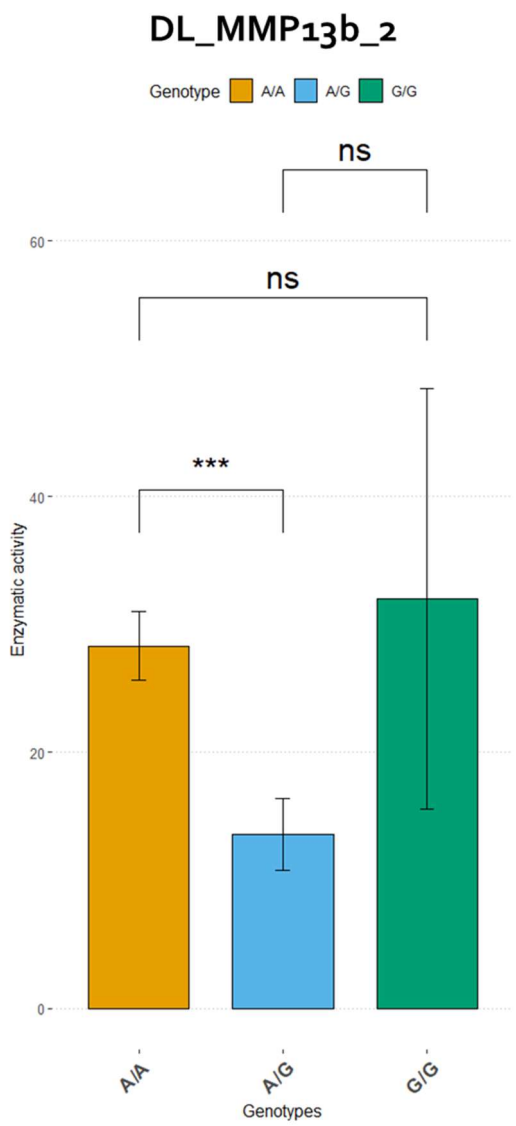

Figure S11. Enzymatic activity of collagenases (metalloprotease) by each genotype. DL_MMP13b_2 has an overdominant model of inheritance.