

Table S3. Mean diploid *AMY2B* copy number in diabetic mellitus cases and controls, respectively, for 5 dog breeds with high risk of developing diabetes. ‘N’ refers to the number of dogs sampled.

| Breed | Status | Diploid <i>AMY2B</i> copy number | Standard deviation | N |
|--------------------|---------------|---|-------------------------------|----------|
| Samoyed | Control | 6.875 | 2.642375 | 8 |
| | Diabetes | 8 | 3.854496 | 8 |
| Norwegian Elkhound | Control | 11.875 | 1.356203 | 8 |
| | Diabetes | 11.75 | 1.488048 | 8 |
| Border Collie | Control | 12.875 | 1.125992 | 8 |
| | Diabetes | 12 | 2.507133 | 8 |
| Swedish Elkhound | Control | 13.75 | 2.492847 | 8 |
| | Diabetes | 12.25 | 1.488048 | 8 |
| Australian Terrier | Control | 13.625 | 1.06066 | 8 |
| | Diabetes | 13 | 1.85164 | 8 |