Table S4. Total number of dogs with hip osteoarthritis (OA) records categorized by study population and SNP array.

Population	Illumina array	Customized array	Overlap	Total
Linkage	99(49)	48(14)	48(14)	99(49)
Association	42(22)	14(10)	14(10)	42(22)
Overlap	42(22)	14(10)	14(10)	42(22)
Total	99(49)	48(14)	48(14)	99(49)

There were 99 dogs with hip osteoarthritis measurements. The numbers in parenthesis are the number of dogs with osteoarthritis (cases). These 99 dogs were genotyped with either Illumina array, the customized array or both (overlap). These dogs were from two populations (linkage and association). The linkage population included Labrador retrievers, Greyhounds and their crosses. The association population included eight purebreds (Labrador retrievers, Greyhounds, German Shepherds, Newfoundlands, Golden retrievers, Rottweilers, Border Collies and Bernese Mountain Dogs)