

**Supplementary Table 1.** Other breeds represented in the non-predisposed (NPB) population.

Afghan Hound	1
American Eskimo	2
Australian Shepherd	2
Belgian Malinois	1
Bernese Mountain Dog	1
Bichon Frise	1
Bloodhound	1
Border Collie	1
Borzoi	2
Boston Terrier	1
Boxer	1
Briard	1
Brittany	1
Brussels Griffon	1
Bull Terrier	1
Cairn Terrier	1
Cavalier King Charles Spaniel	2
Chihuahua	5
Cockapoo	4
Collie	1
Dachshund	4
English Bulldog	1
English Setter	3
English Springer Spaniel	1
French Bulldog	1
German Shorthaired Pointer	1
German Wirehaired Pointer	1
Irish Setter	3
Irish Wolfhound	1
Keeshond	1
Lhasa Apso	3
Malamute	1
Maltese	1
Mastiff	1
Miniature Pinscher	1
Miniature Schnauzer	1
Newfoundland	2
Norwich Terrier	1
Papillon	1
Pomeranian	1
Poodle	5
Portuguese Water Dog	1
Pug	3
Rottweiler	2
Saint Bernard	1
Samoyed	1
Schnauzer	1
Scottish Deerhound	1
Scottish Terrier	4
Springer Spaniel	2
Standard Schnauzer	3
Walker Hound	1
Welsh Corgi	4