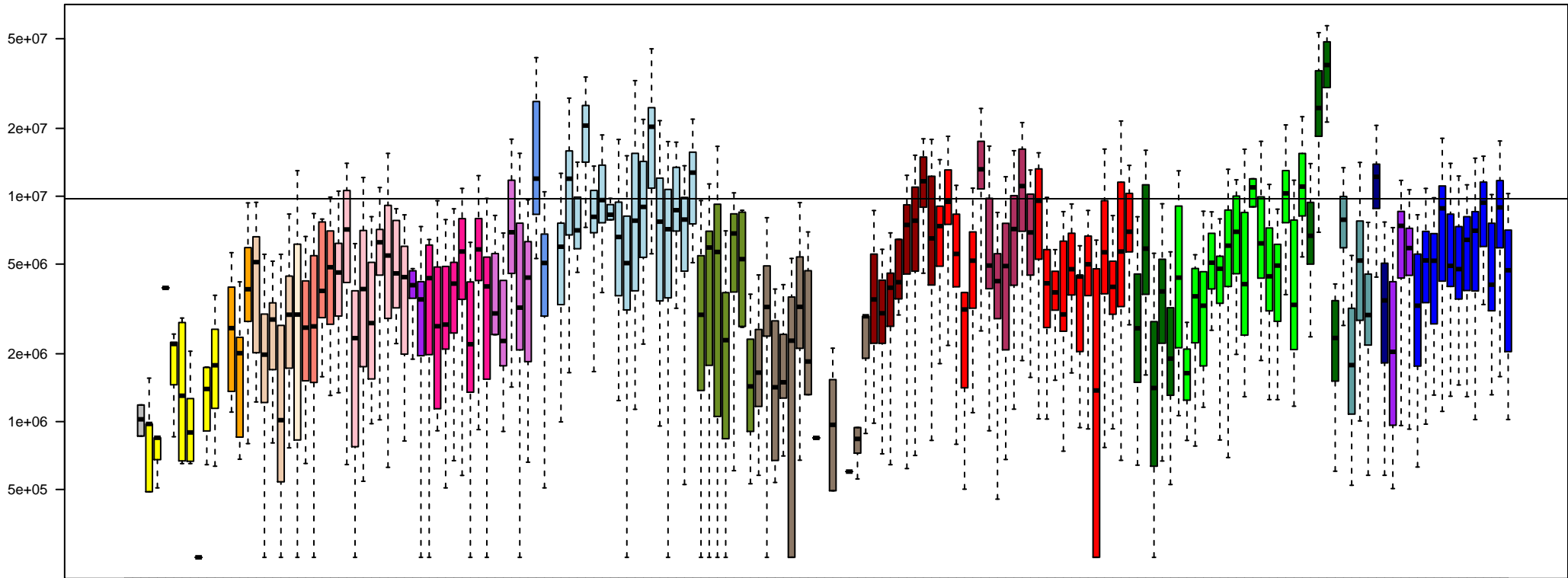
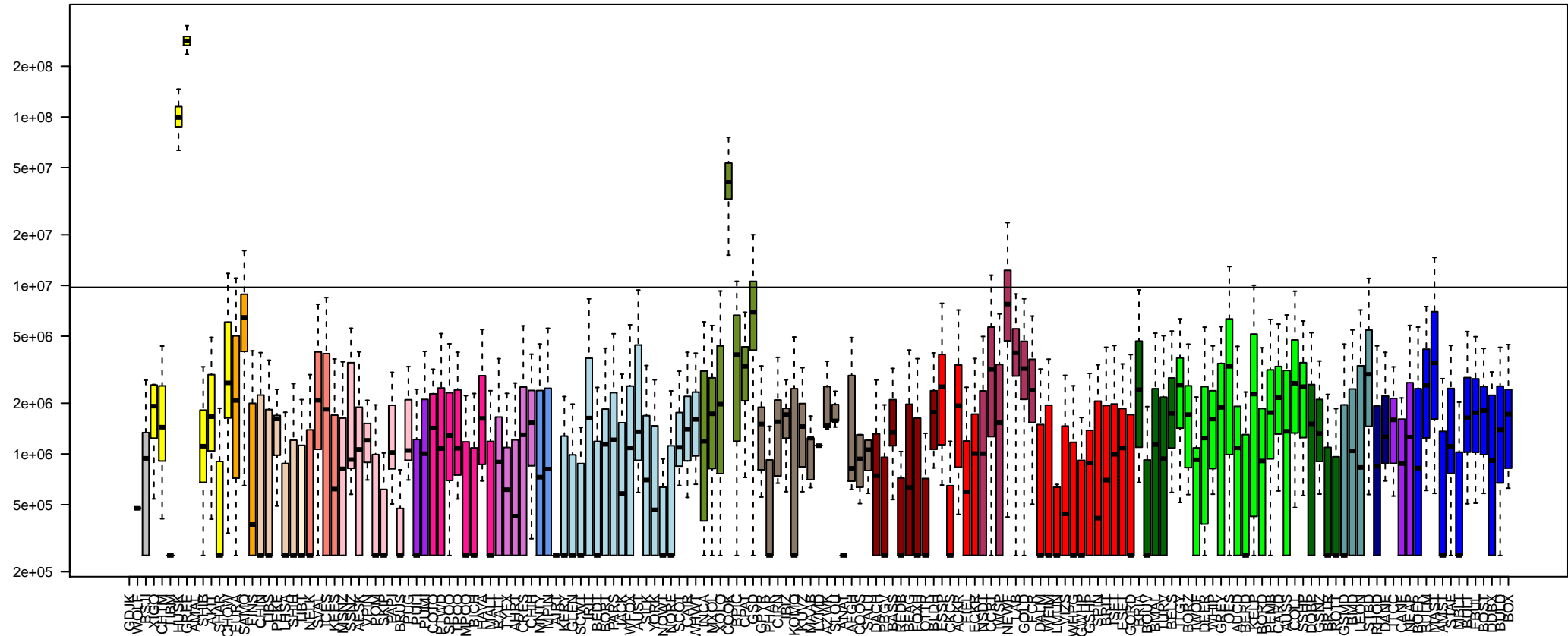


Figure S1. Bar graphs of haplotype sharing distributions between individual dogs of each breed for all 161 dog breeds, three varieties, three country of origin populations and two wild canids. Breeds are colored and ordered according to clade position in Figure 1. Graphs are presented in alphabetical order by name.

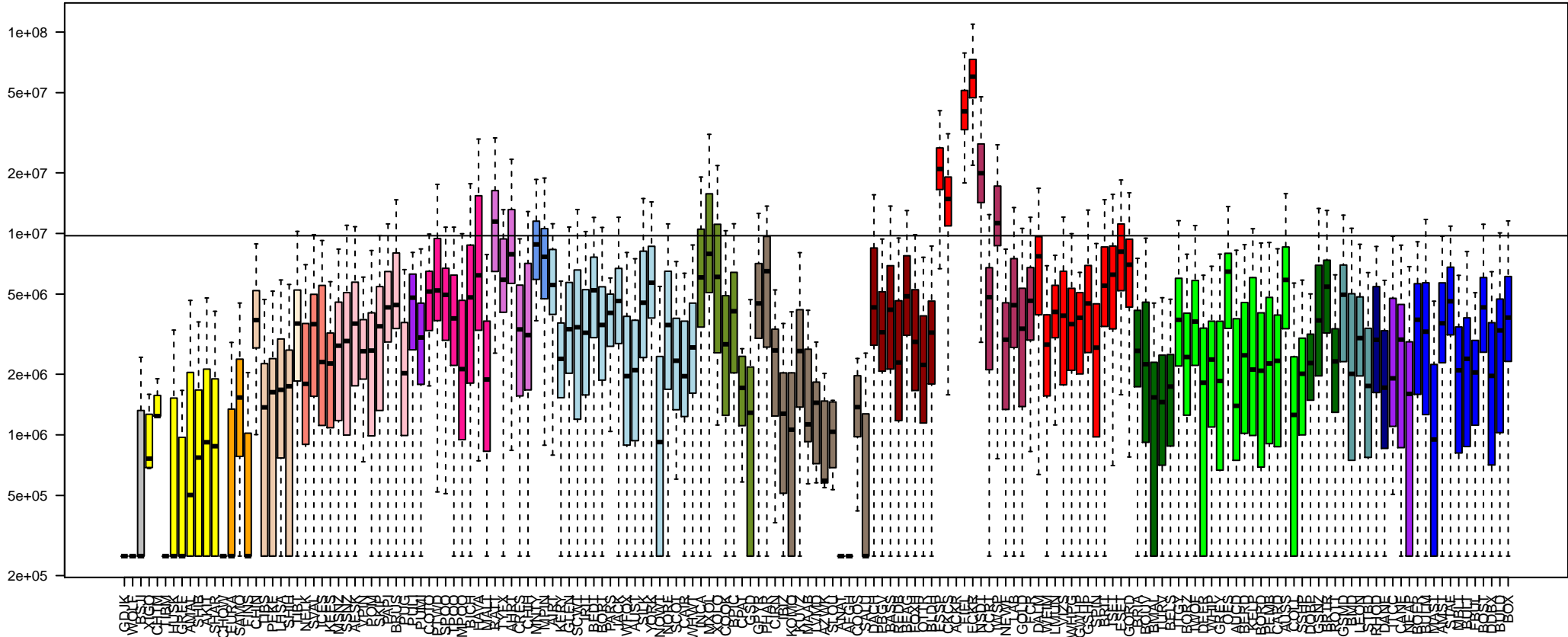
Airedale Terrier



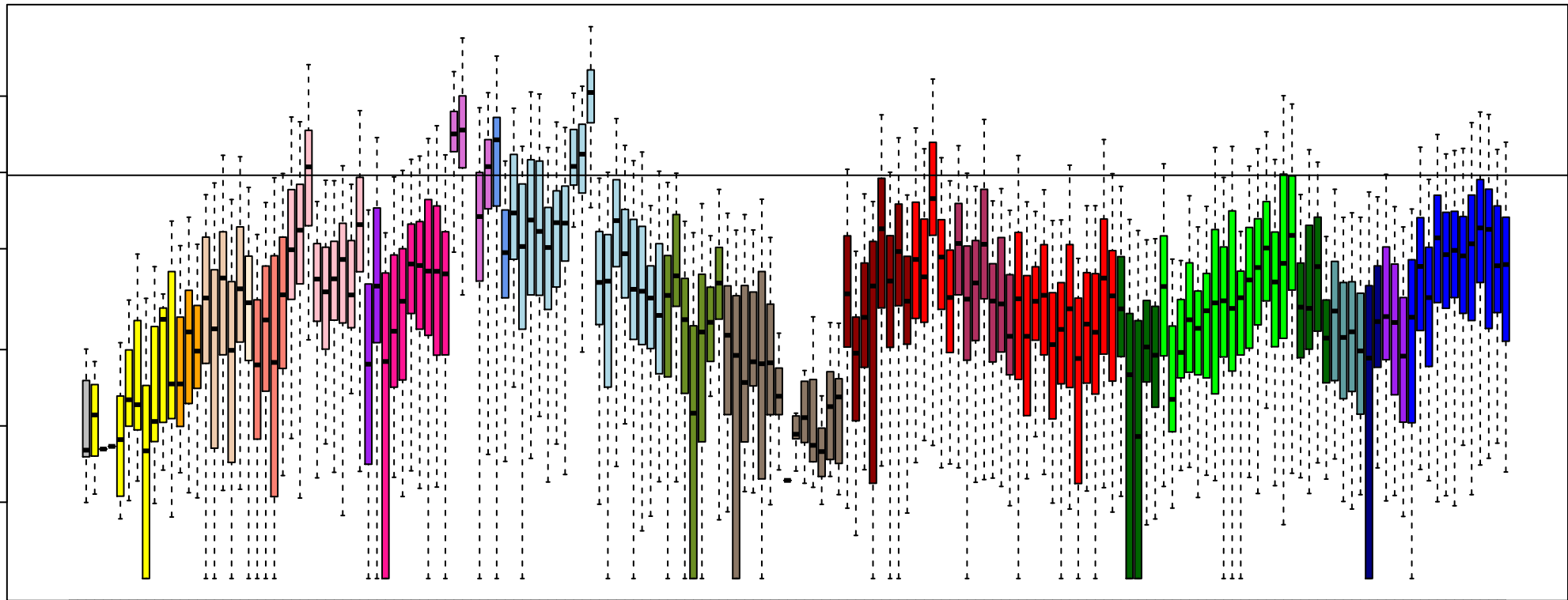
Alaskan Malamute



American Cocker Spaniel

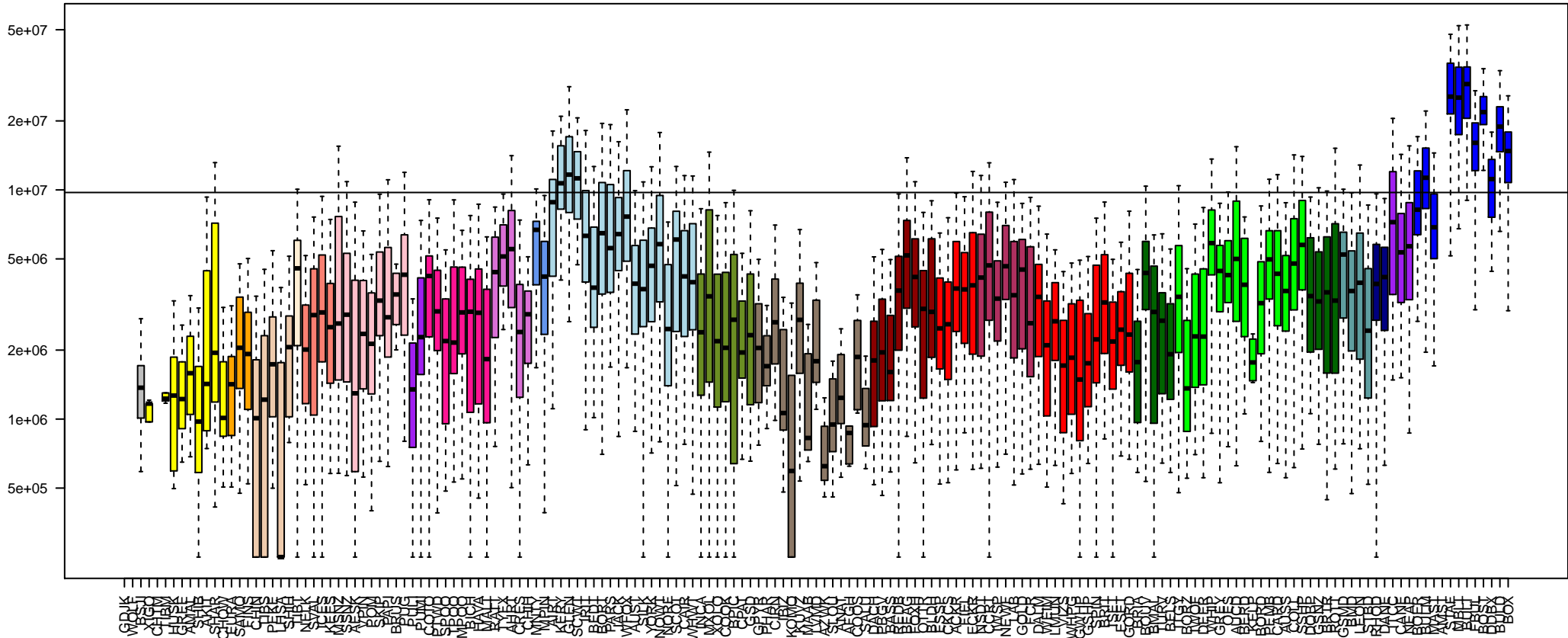


American Hairless Terrier

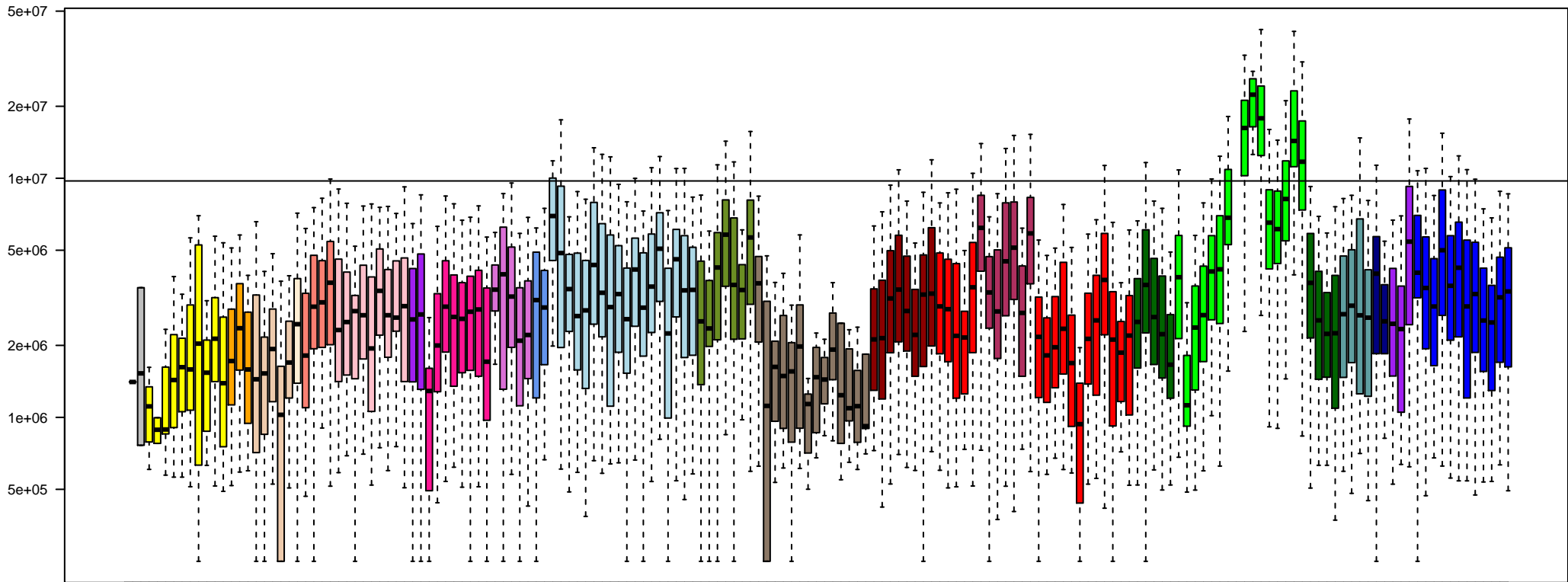


A-Z 0-9 @ # % & * + - = < > ~

American Staffordshire Terrier

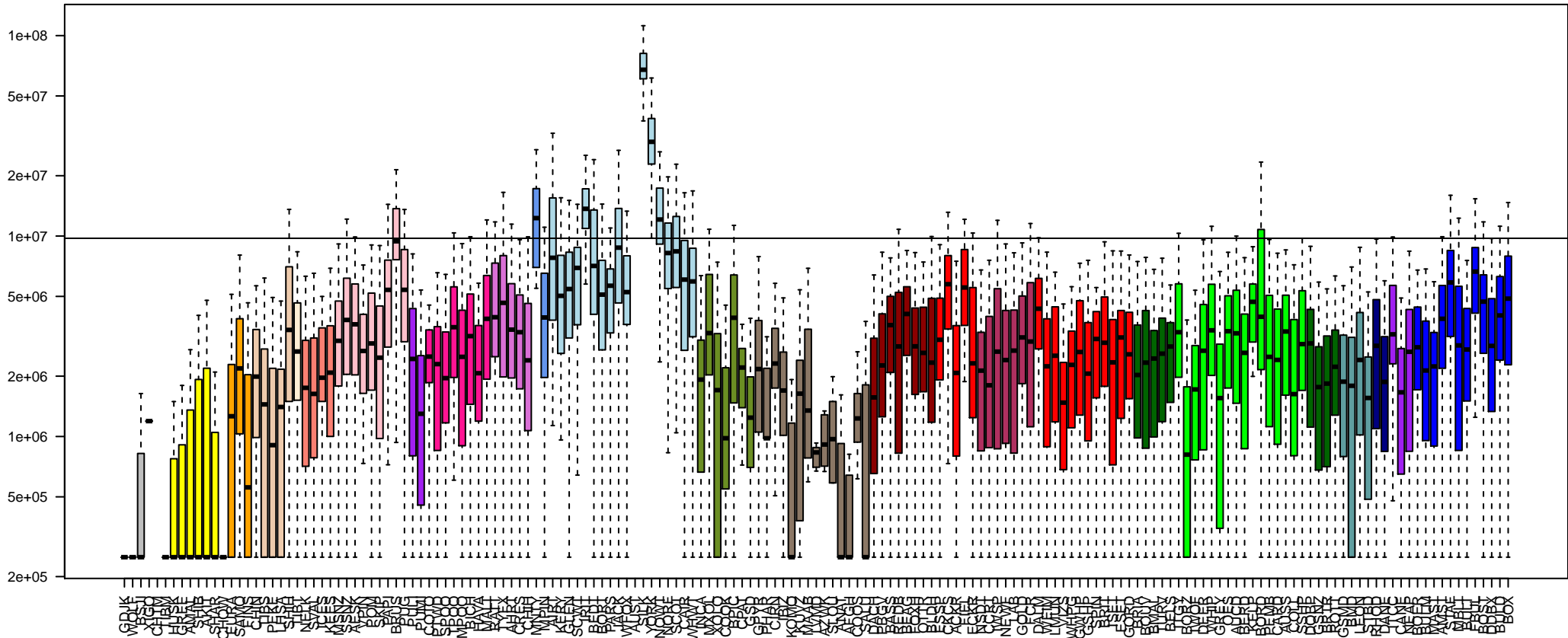


Australian Cattle Dog

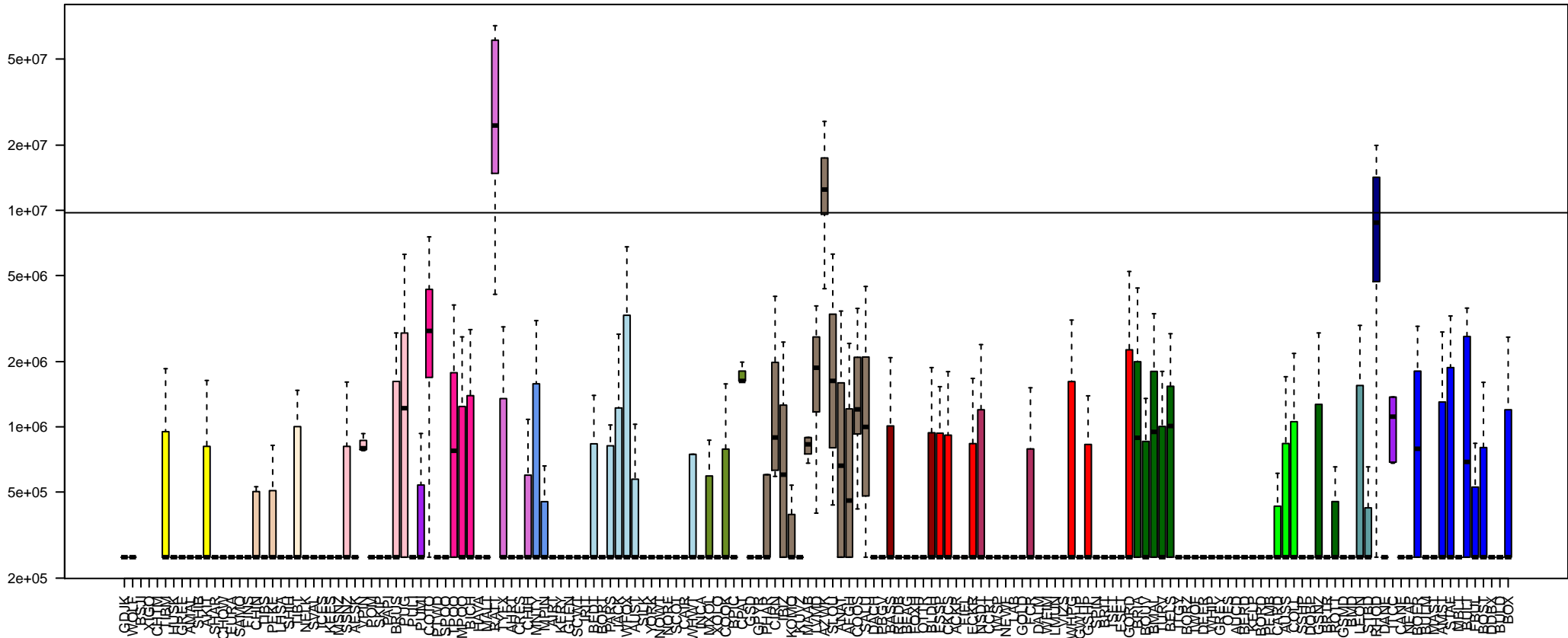


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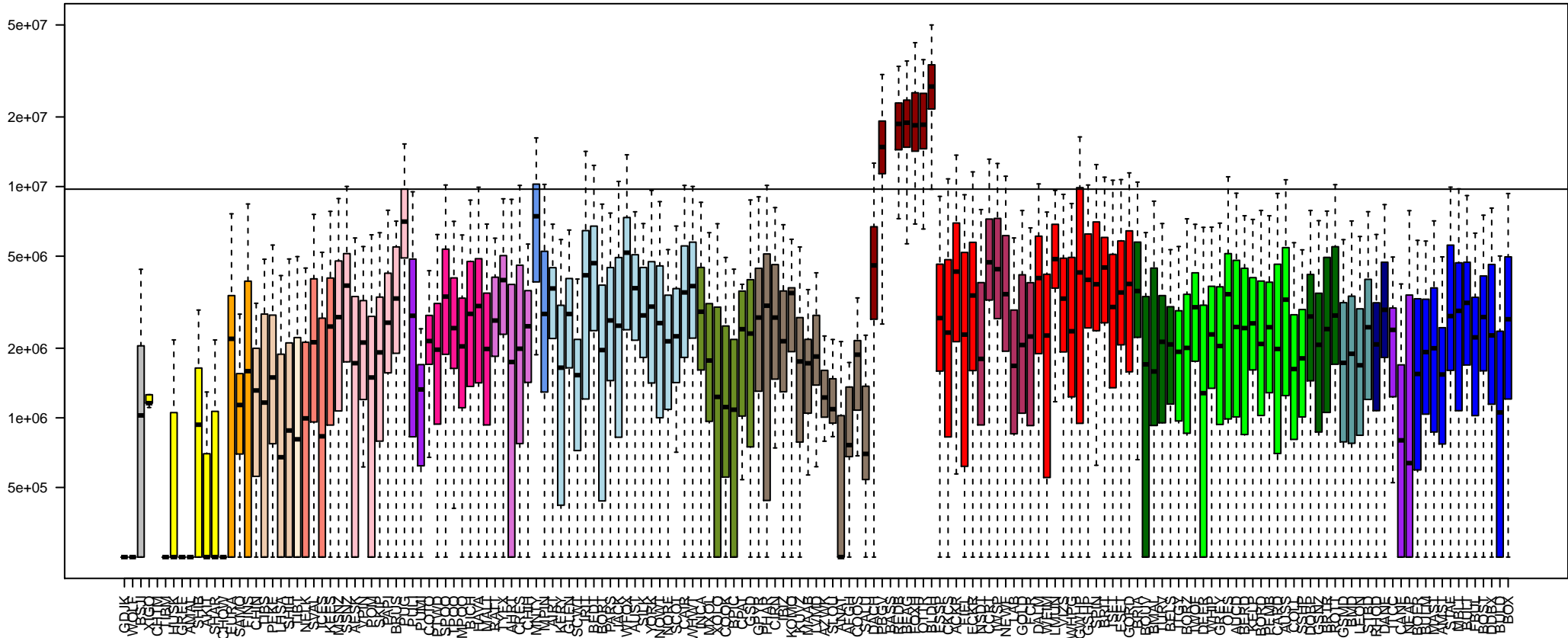
Australian Terrier



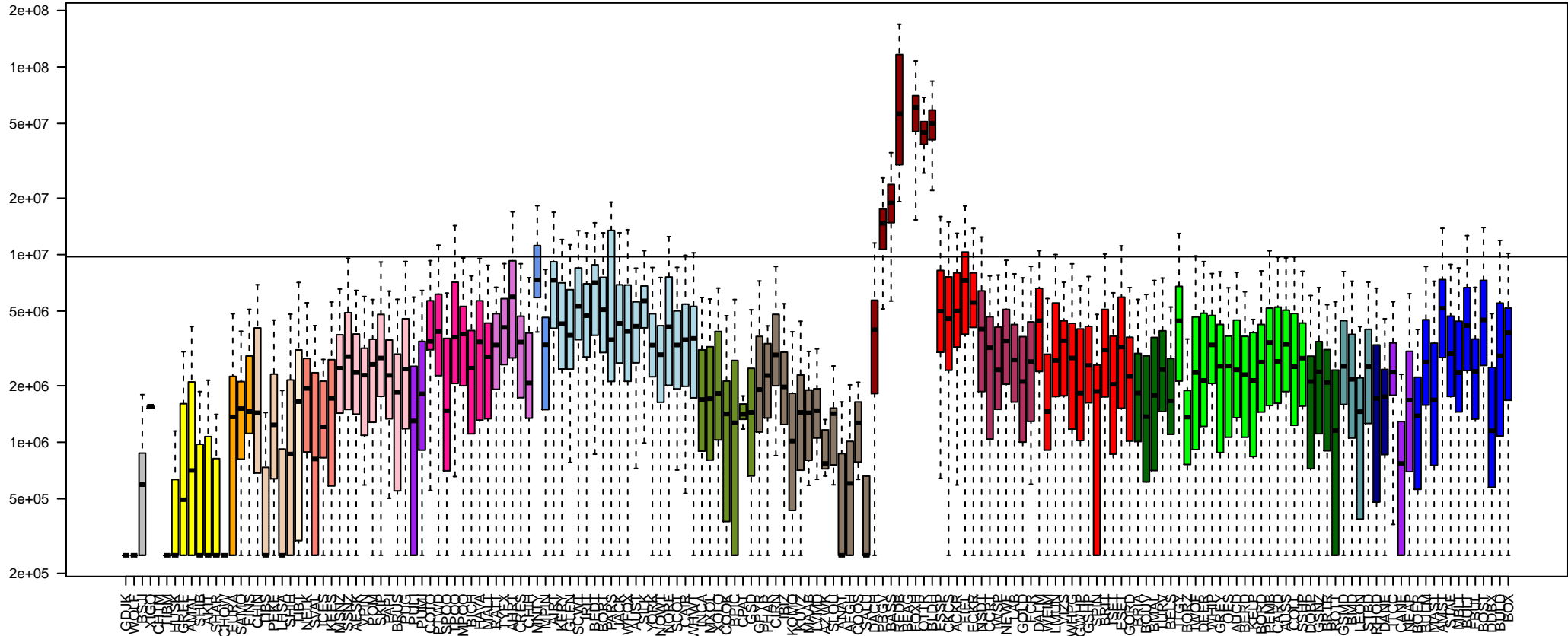
Basenji



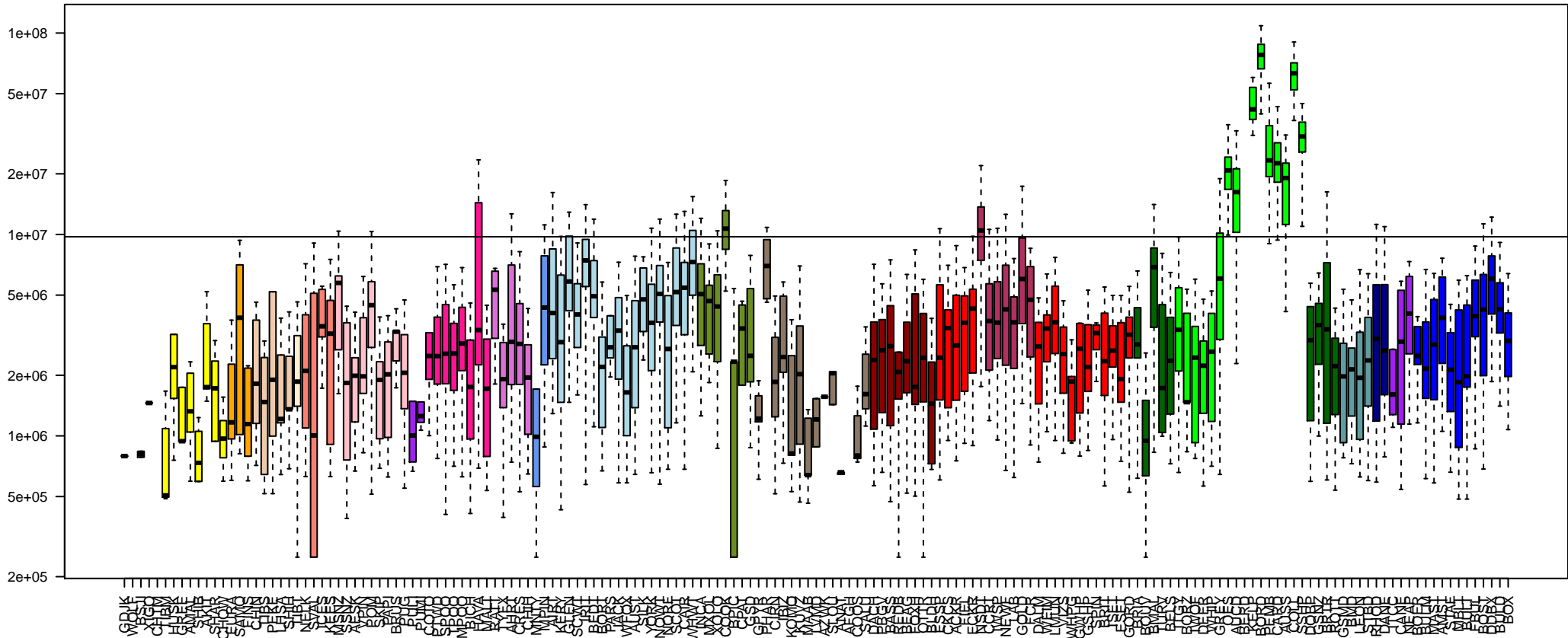
Basset Hound



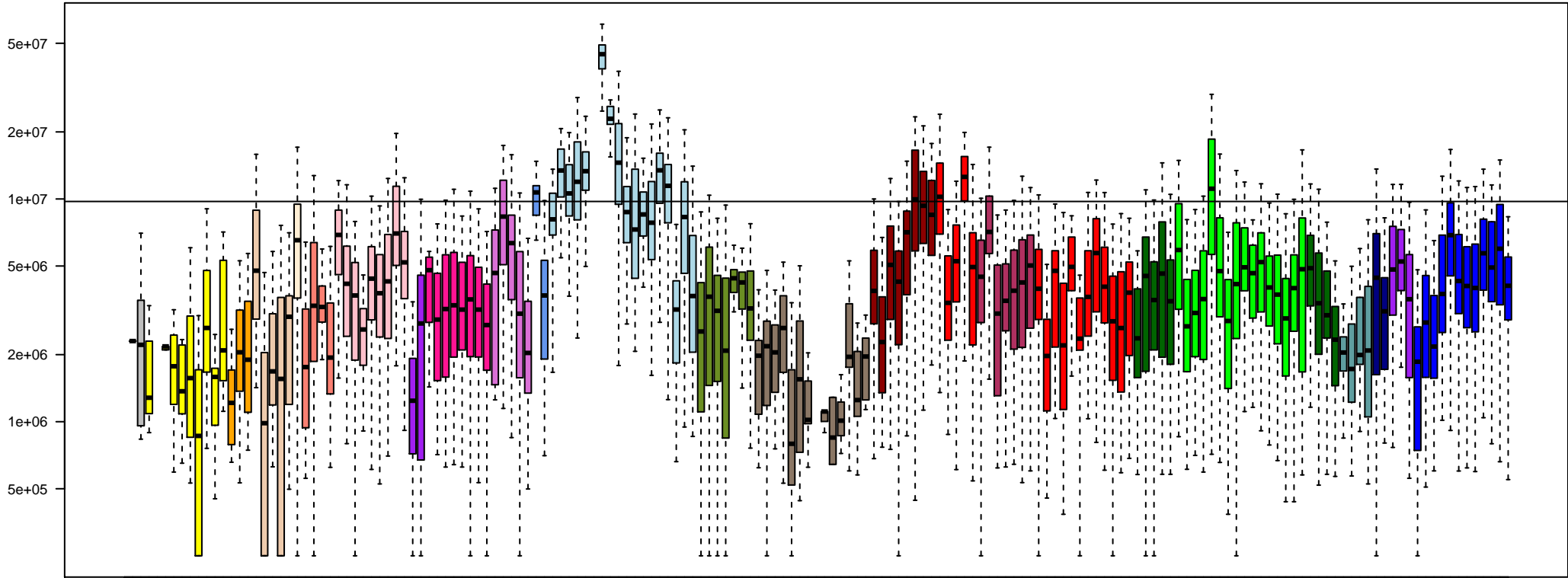
Beagle



Bearded Collie

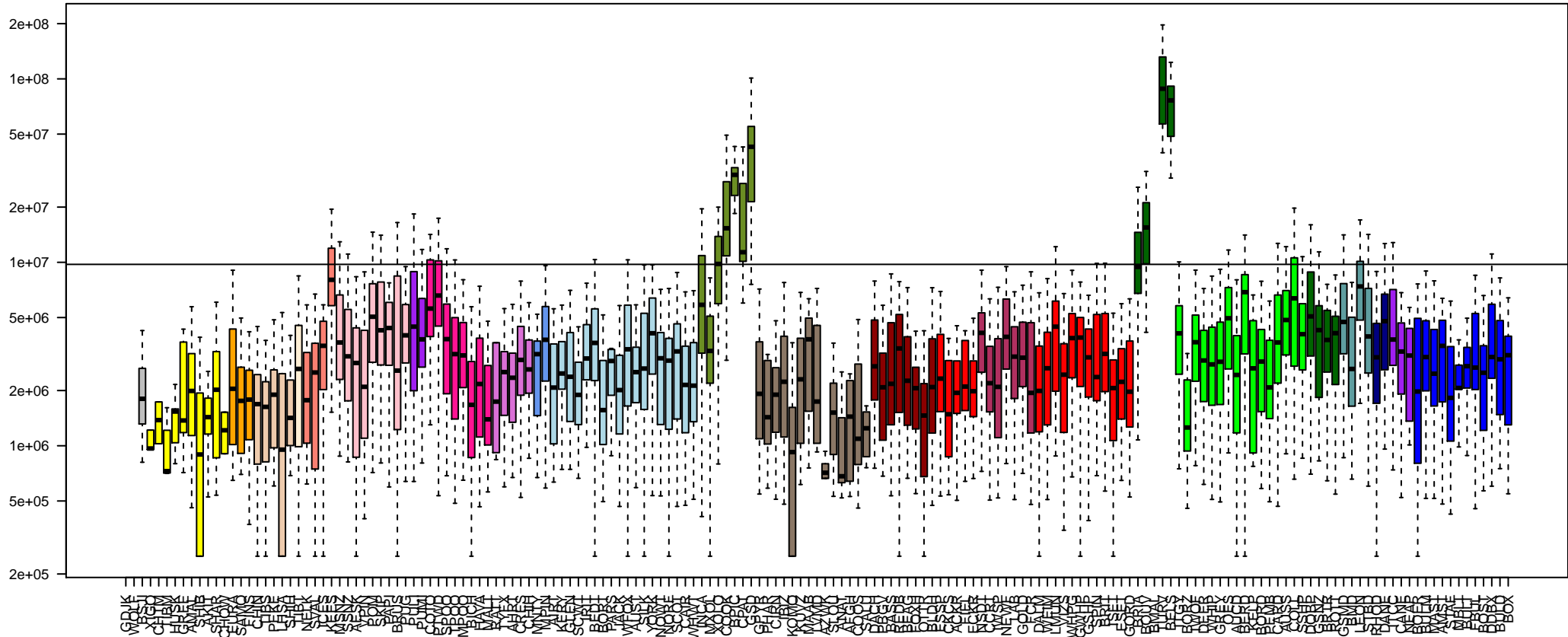


Bedlington Terrier

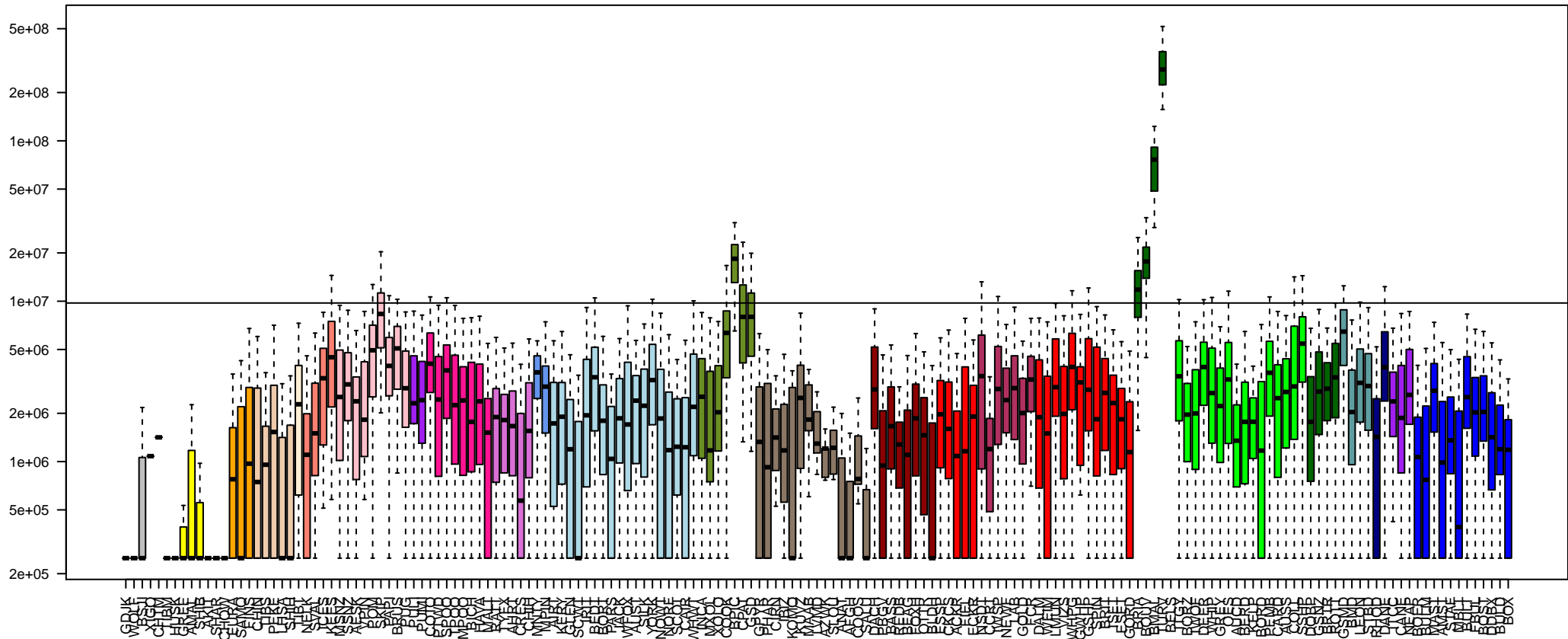


100 categories of data represented by small box plots along the x-axis.

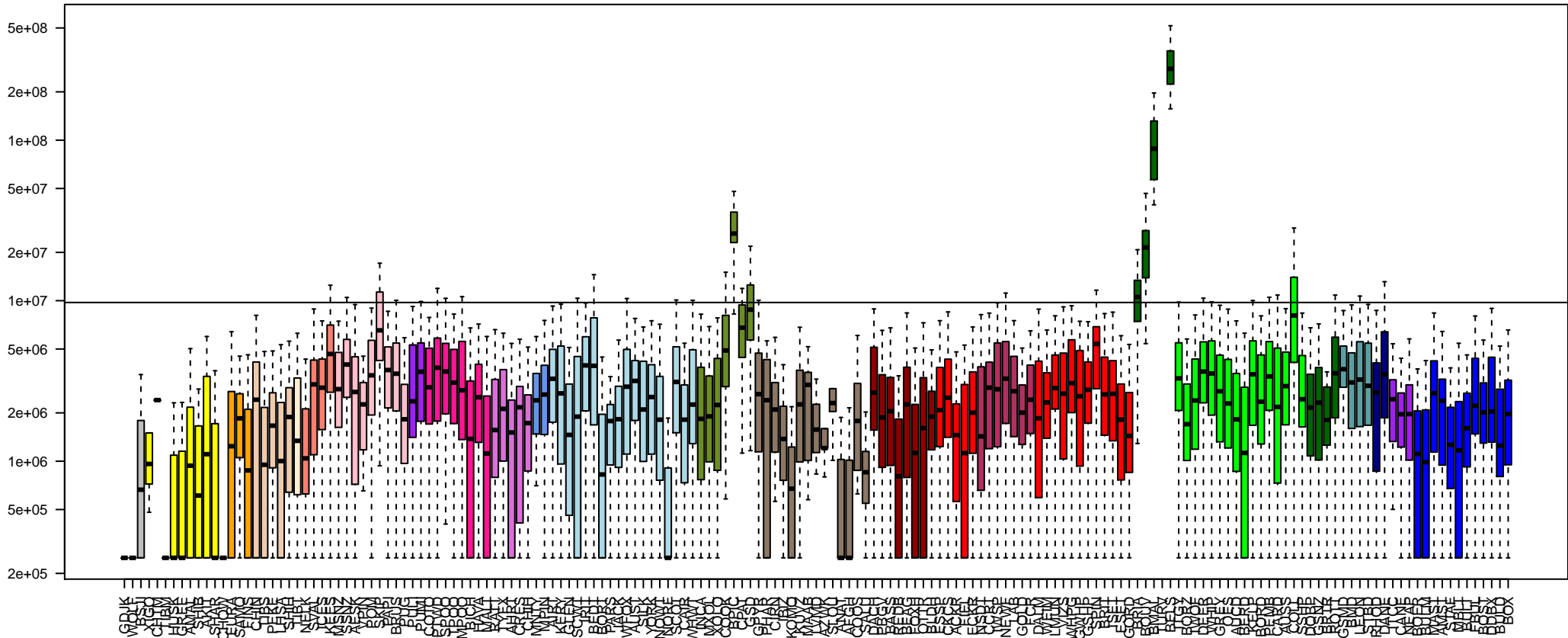
Belgian Malinois



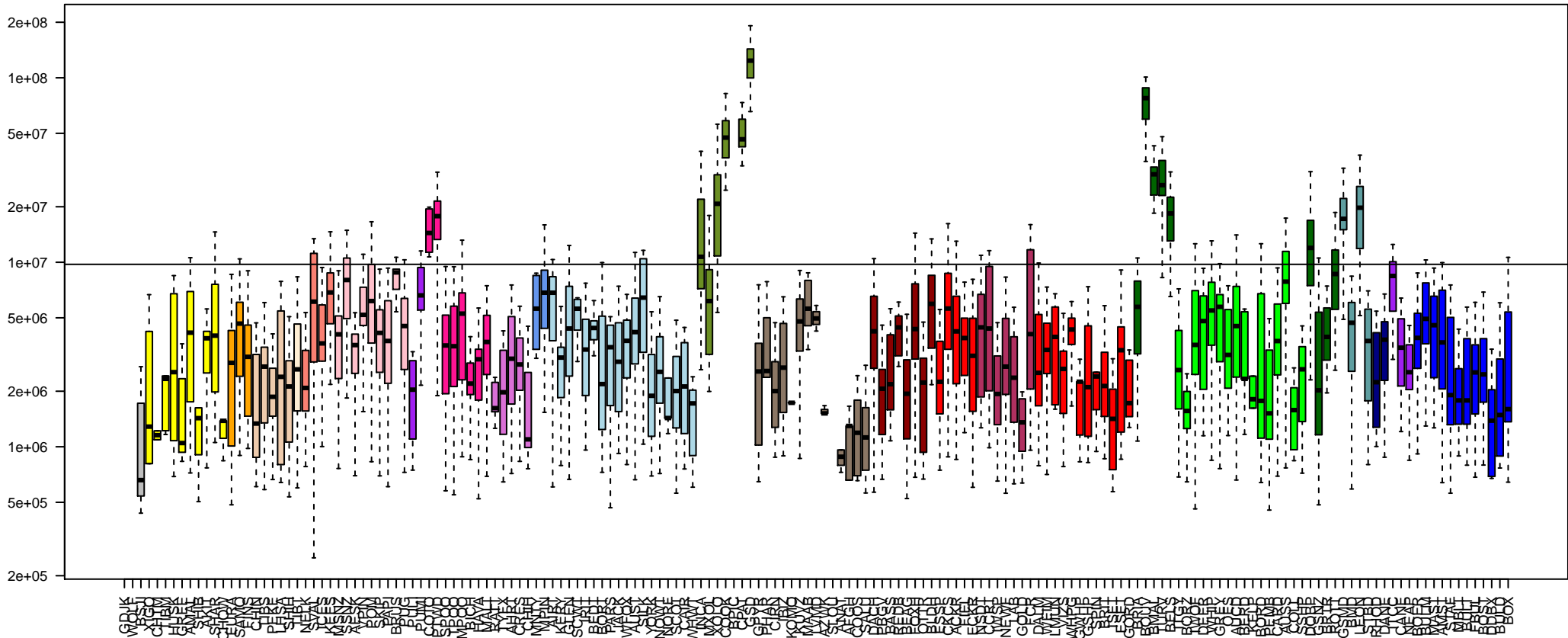
Belgian Sheepdog



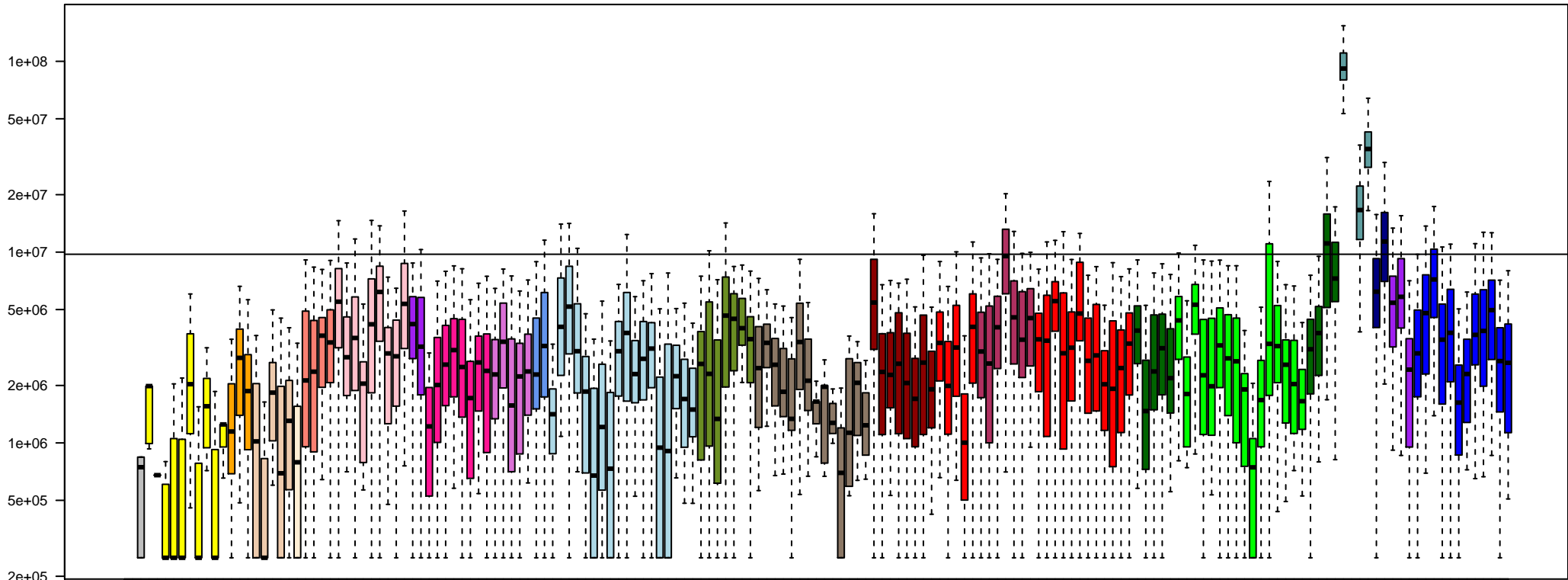
Belgian Tervuren



Berger Picard



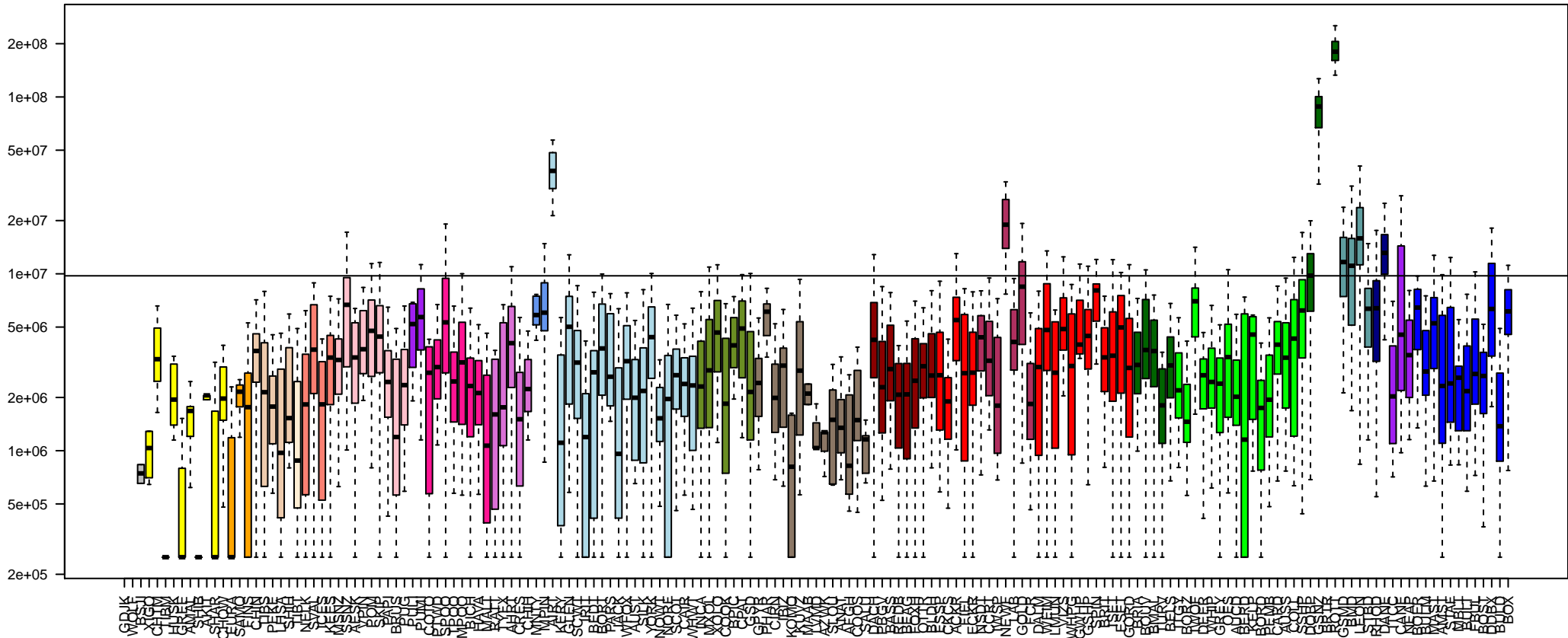
Bernese Mountain Dog



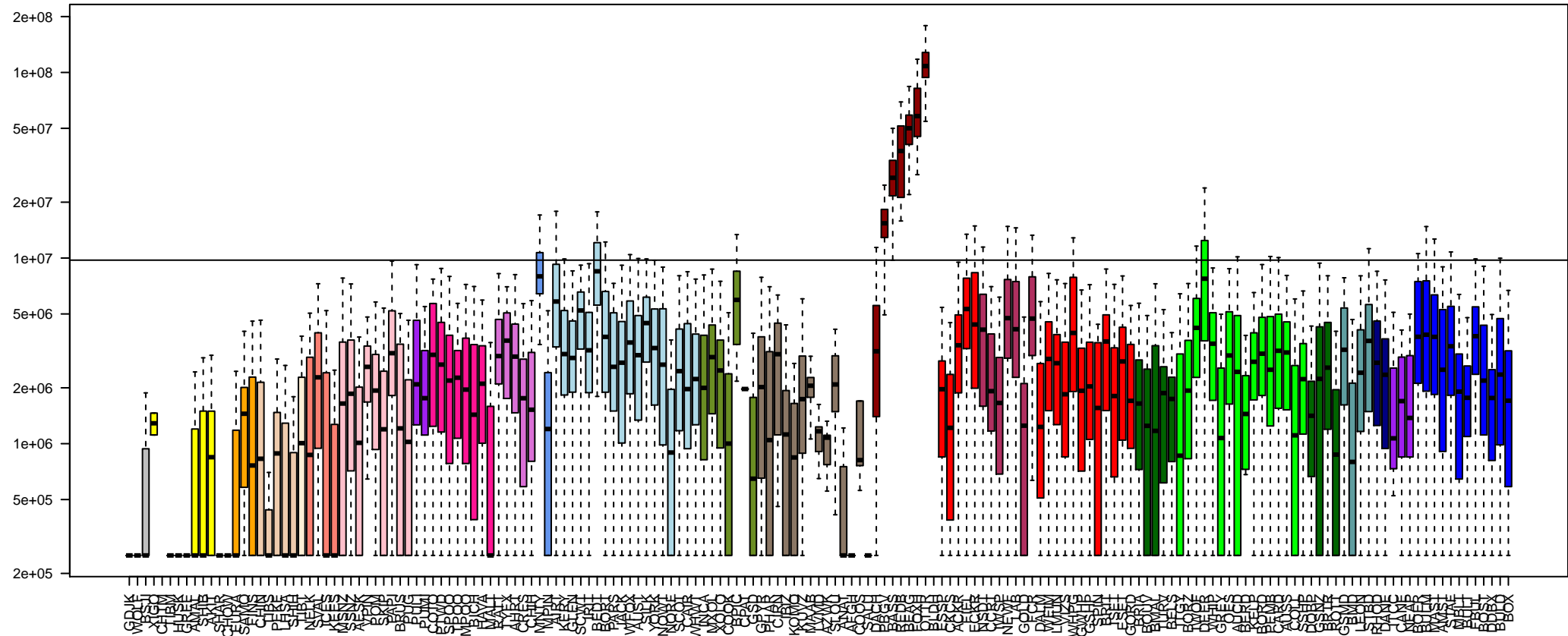
Y-axis labels: 2e+05, 5e+05, 1e+06, 2e+06, 5e+06, 1e+07, 2e+07, 5e+07, 1e+08

X-axis labels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

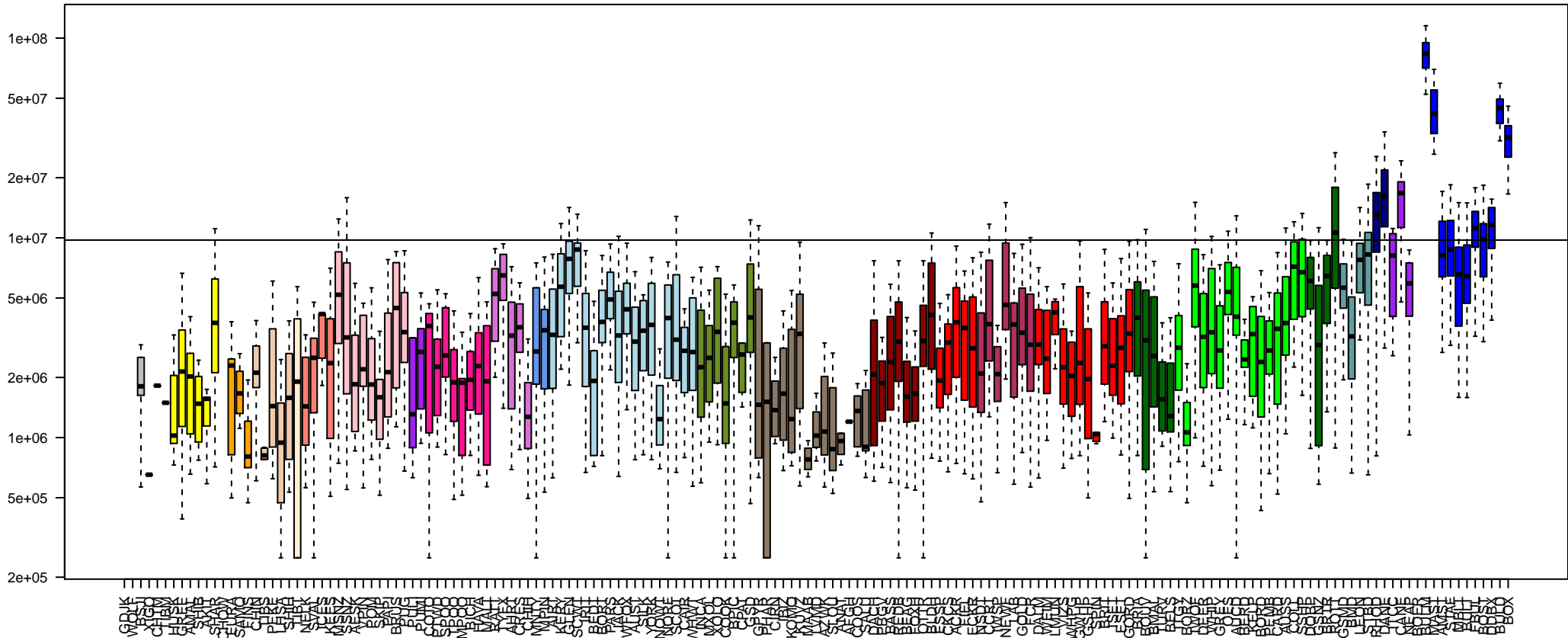
Black Russian Terrier



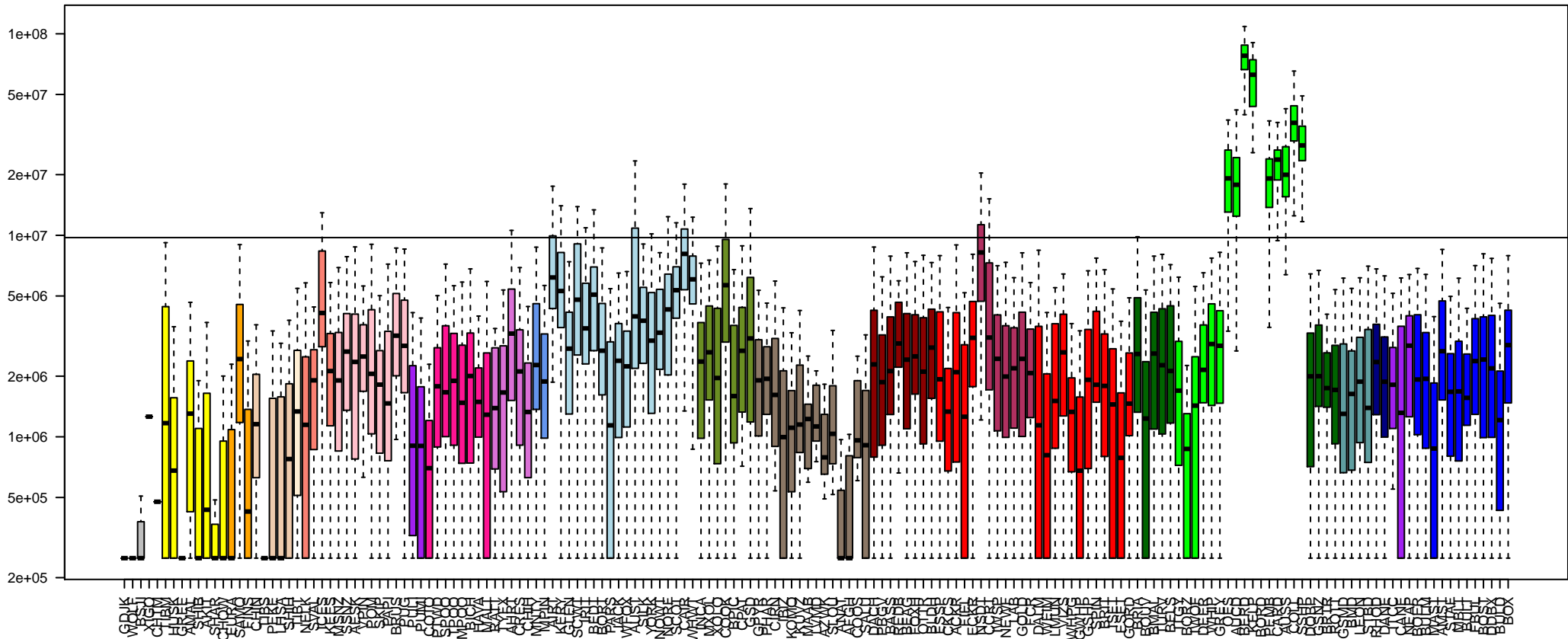
Bloodhound



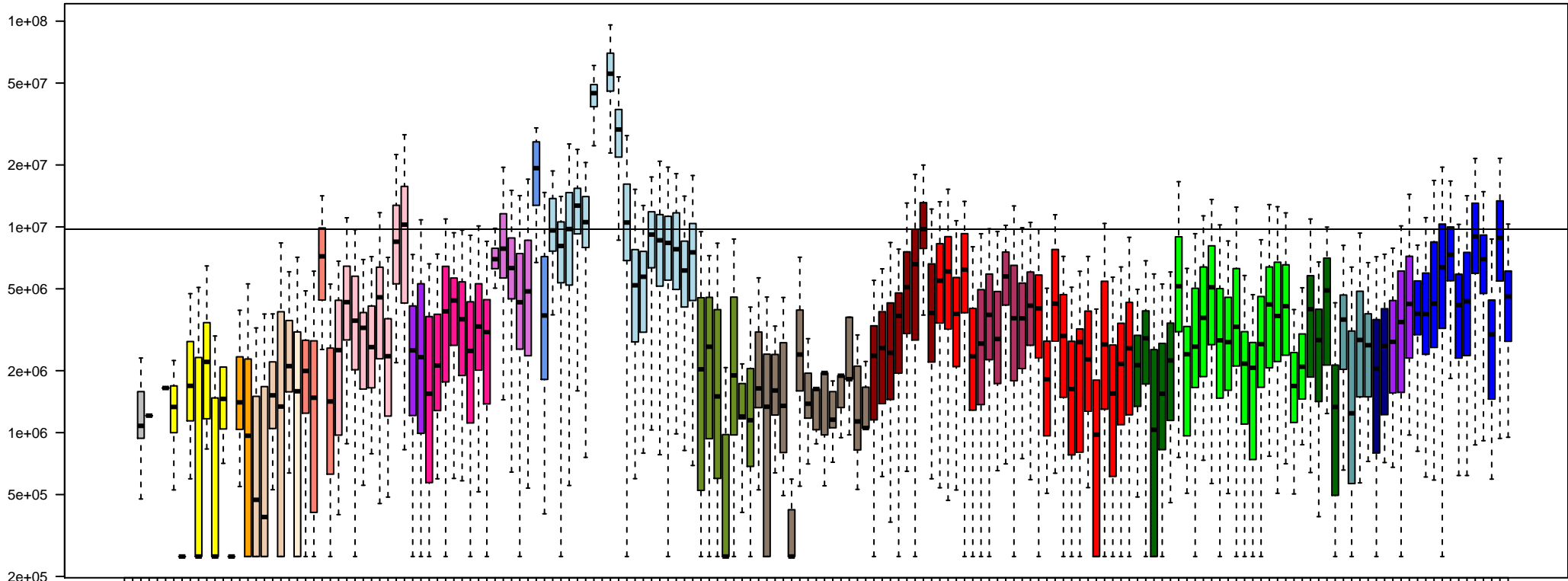
Boerboel



Border Collie



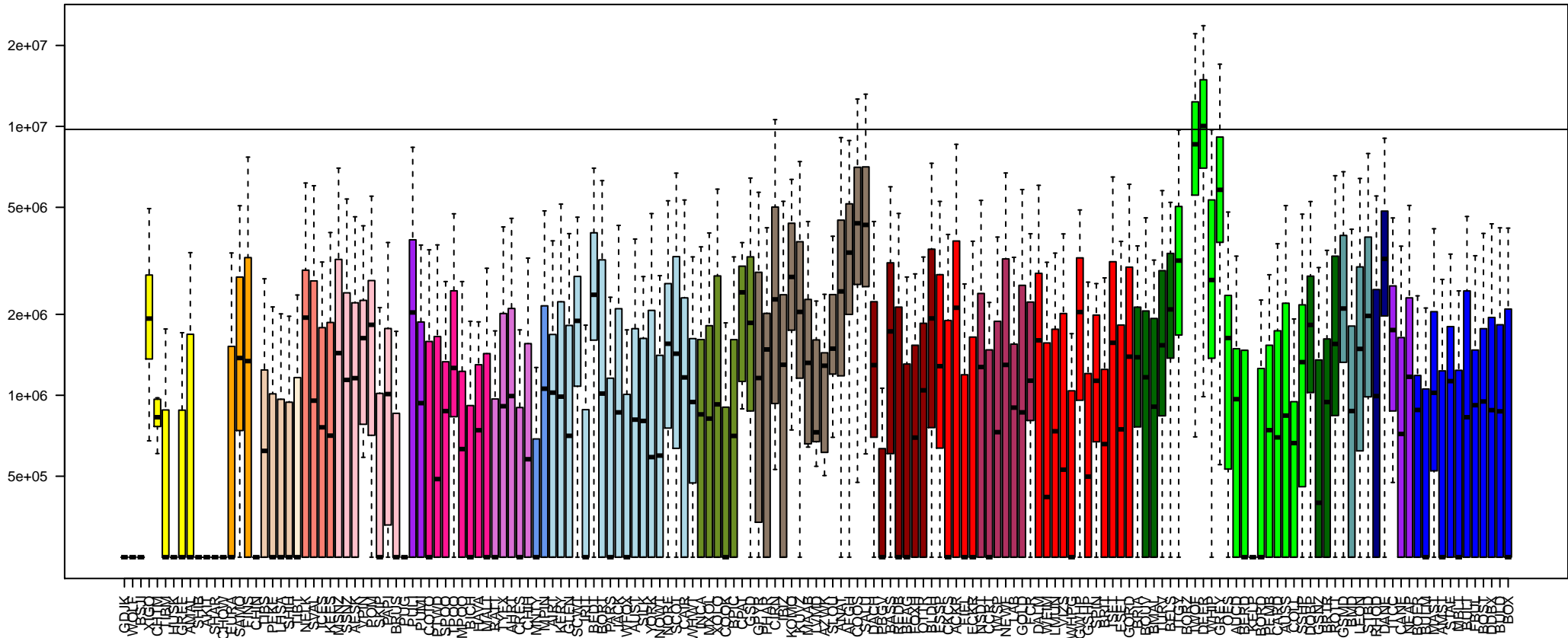
Border Terrier



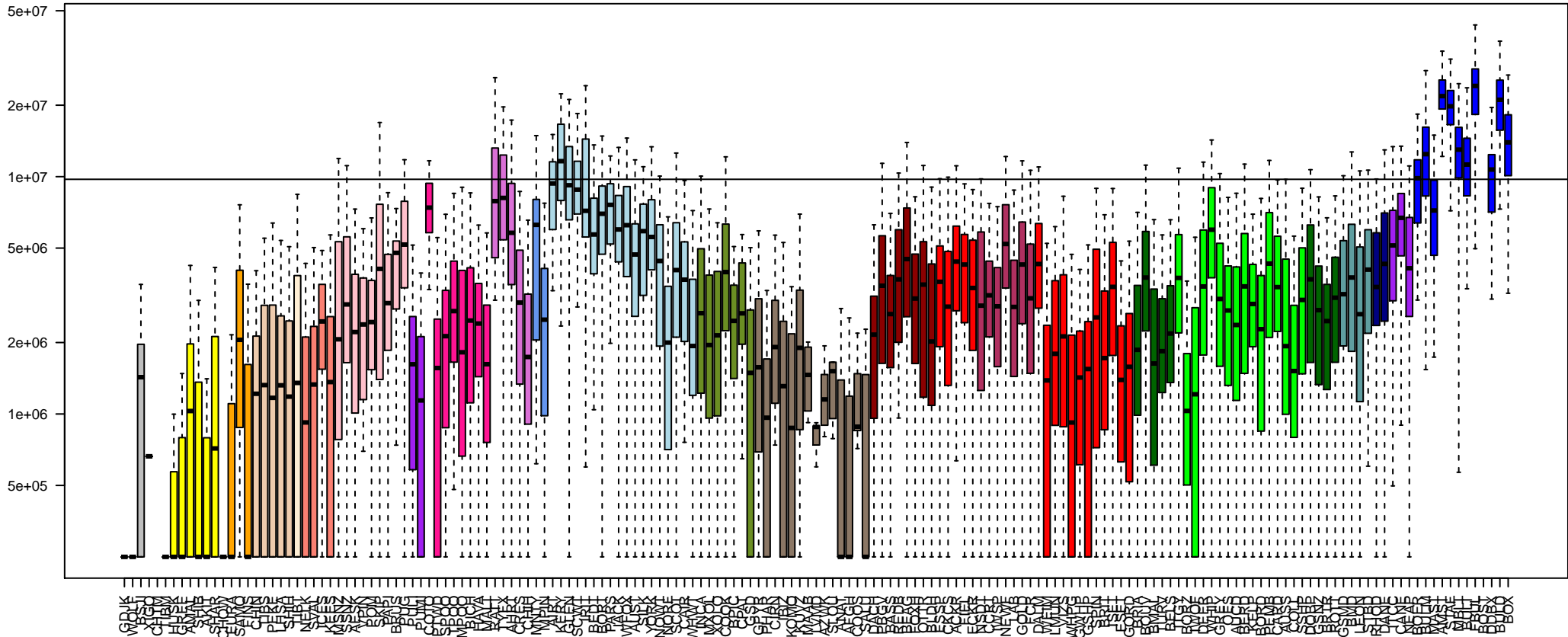
Y-axis labels: 2e+05, 5e+05, 1e+06, 2e+06, 5e+06, 1e+07, 2e+07, 5e+07, 1e+08

X-axis labels: A series of small, illegible text labels, likely representing individual data points or categories, located below the plot area.

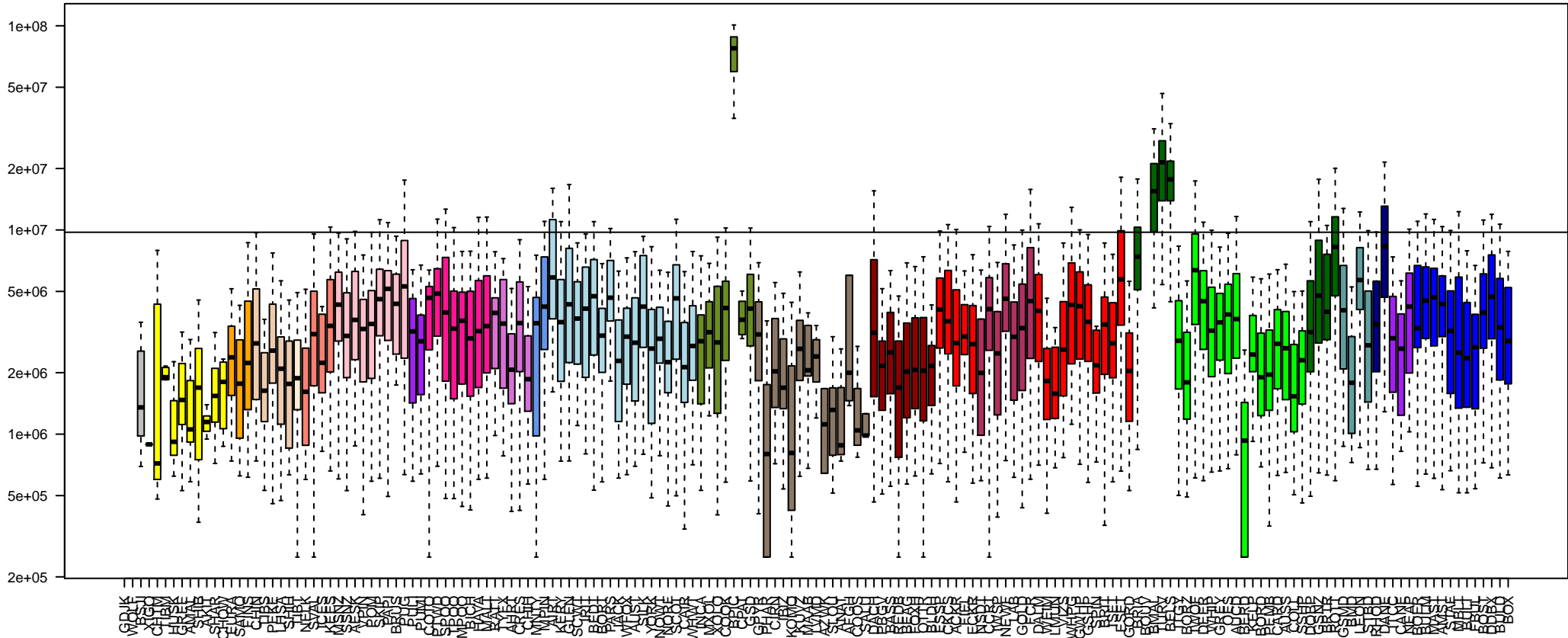
Borzoï



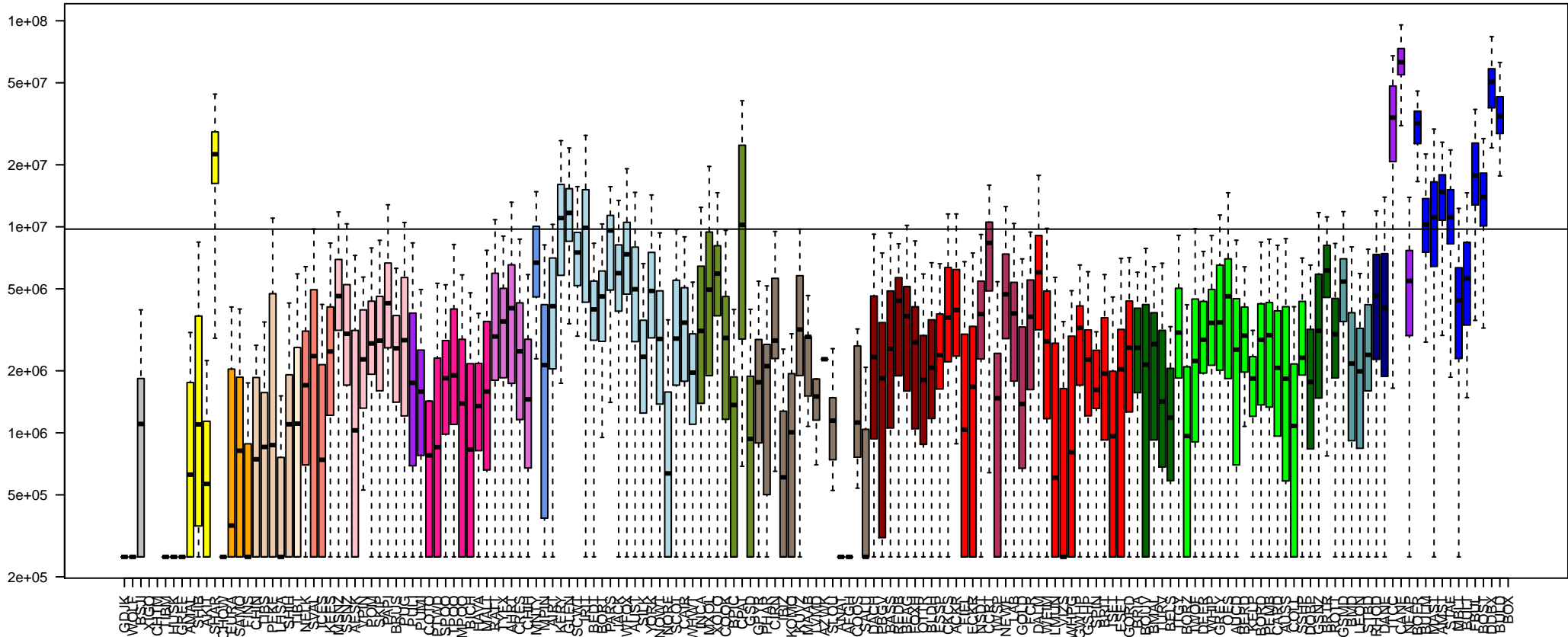
Boston Terrier



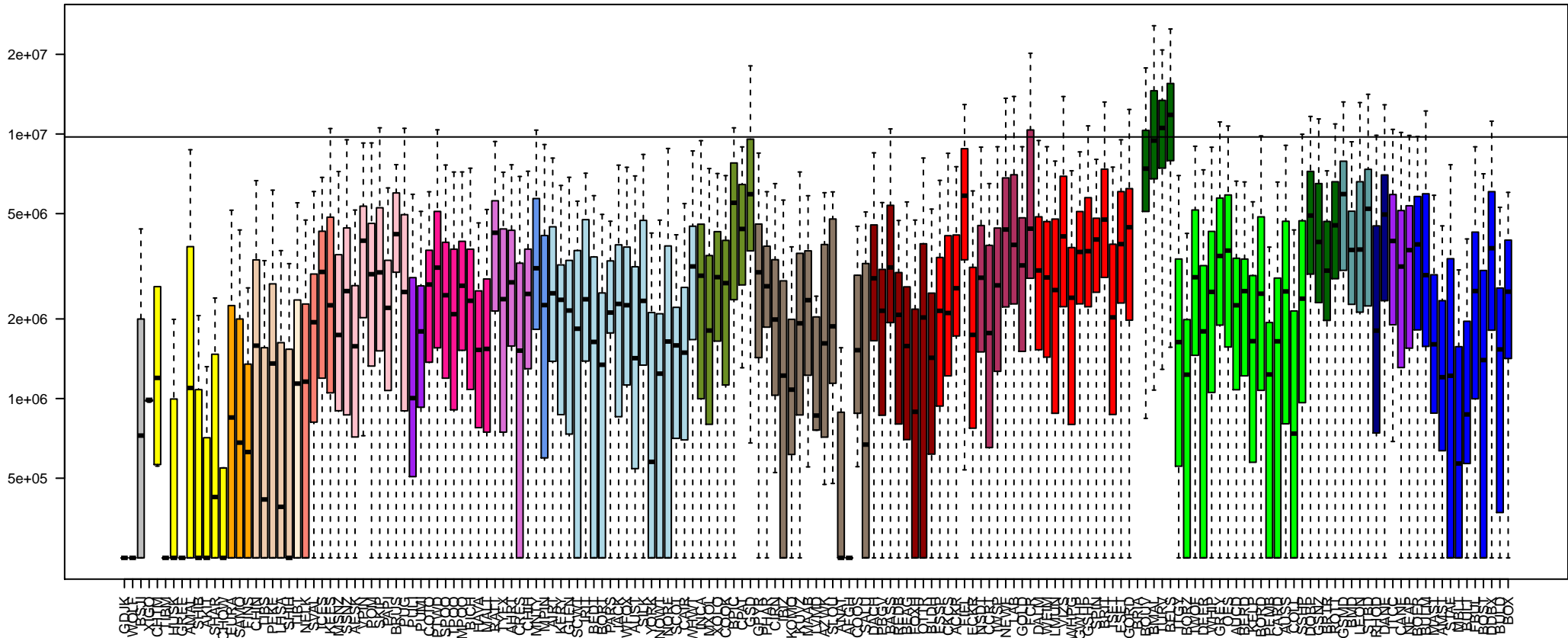
Bouvier des Flandres



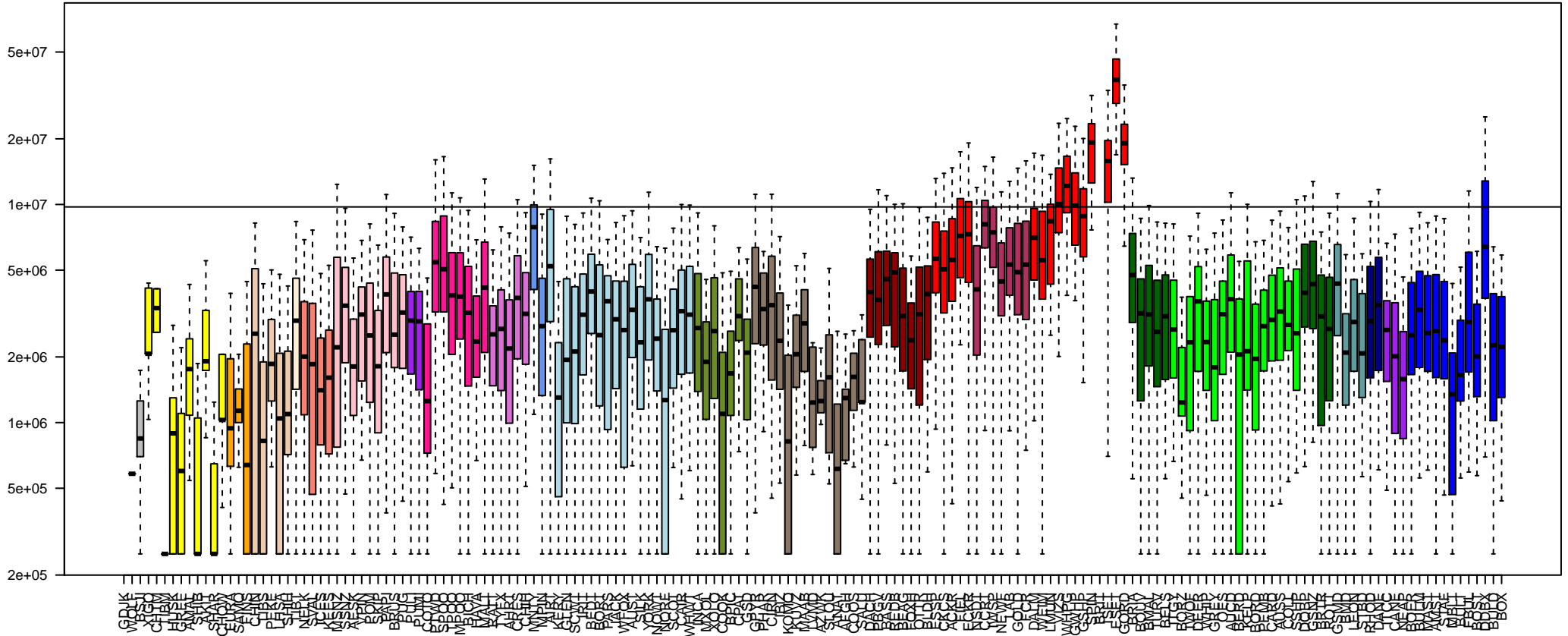
Boxer



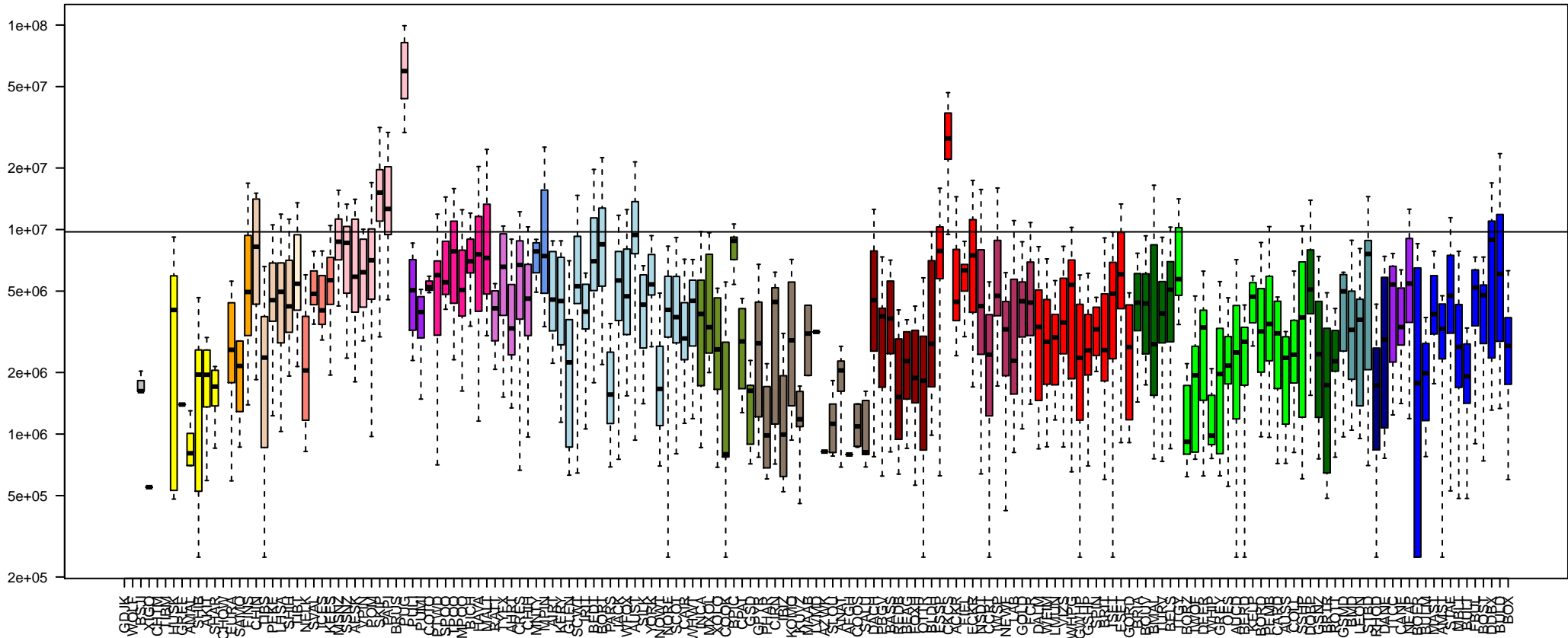
Briard



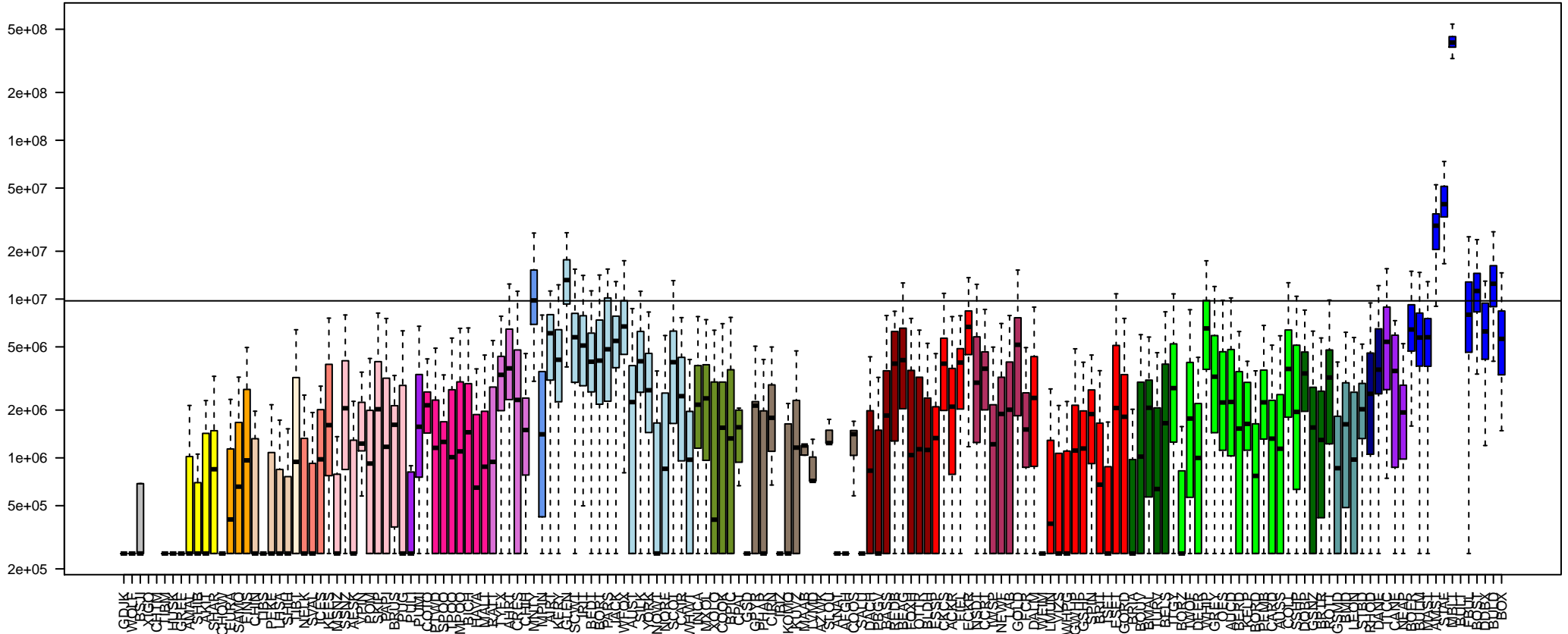
Brittany



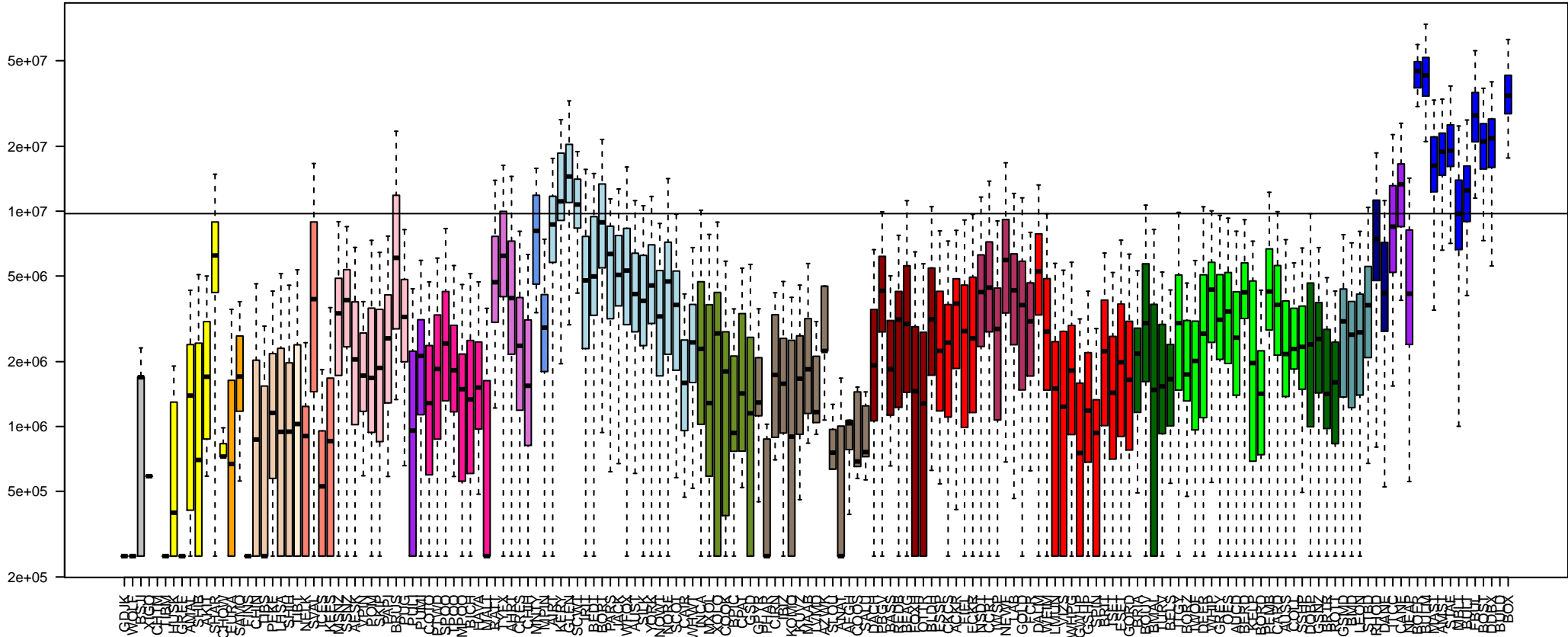
Brussels Griffon



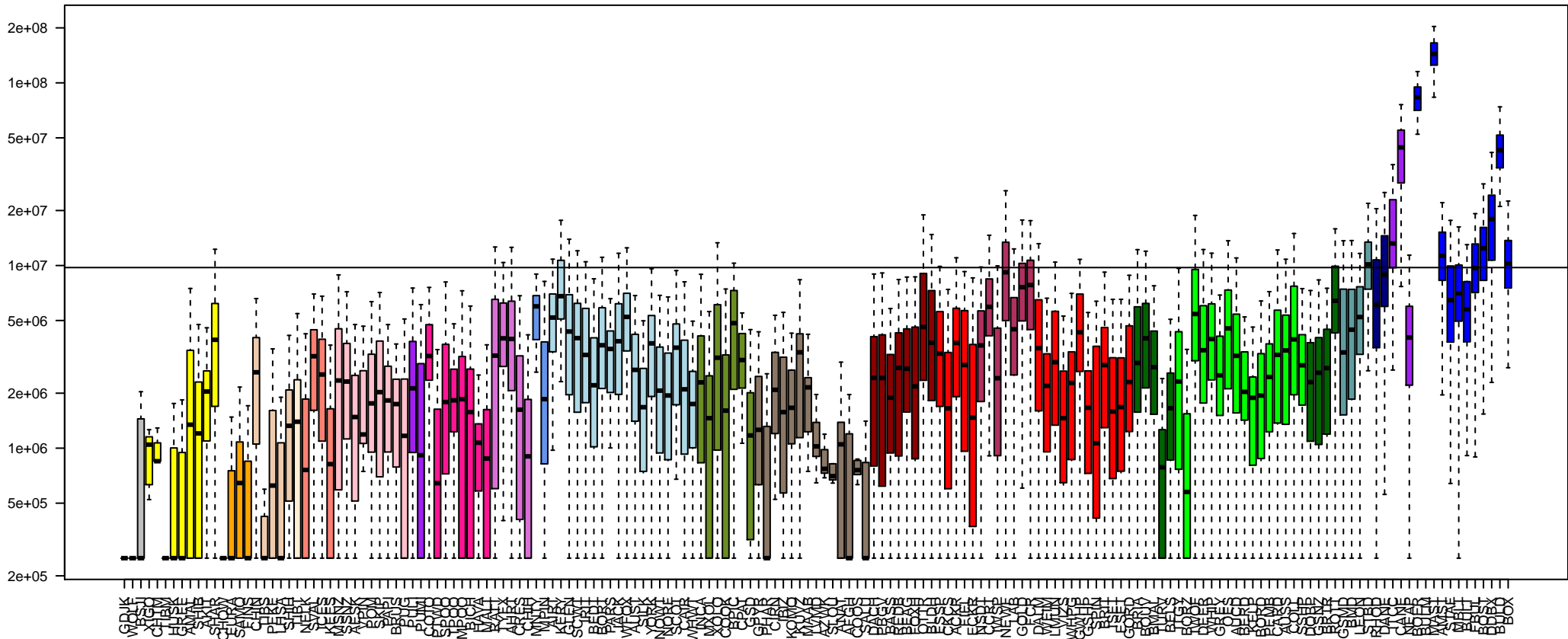
Bull Terrier



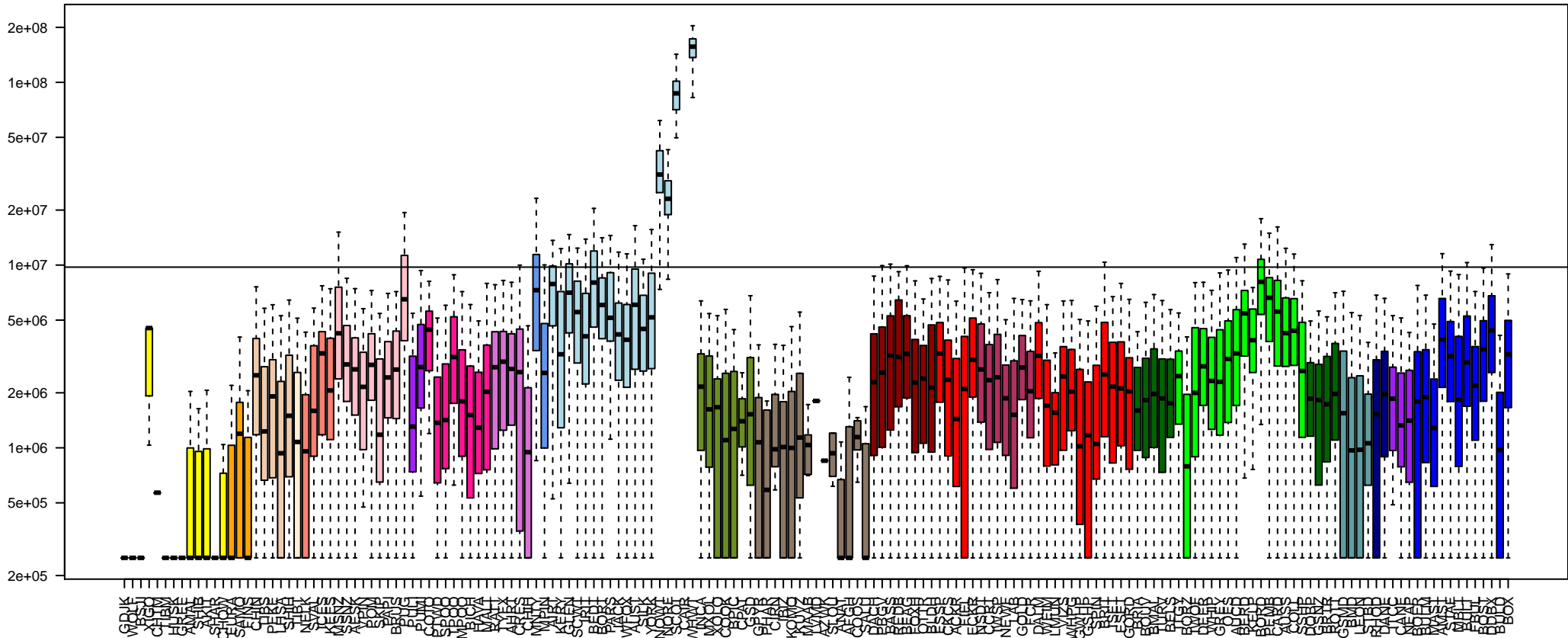
Bulldog



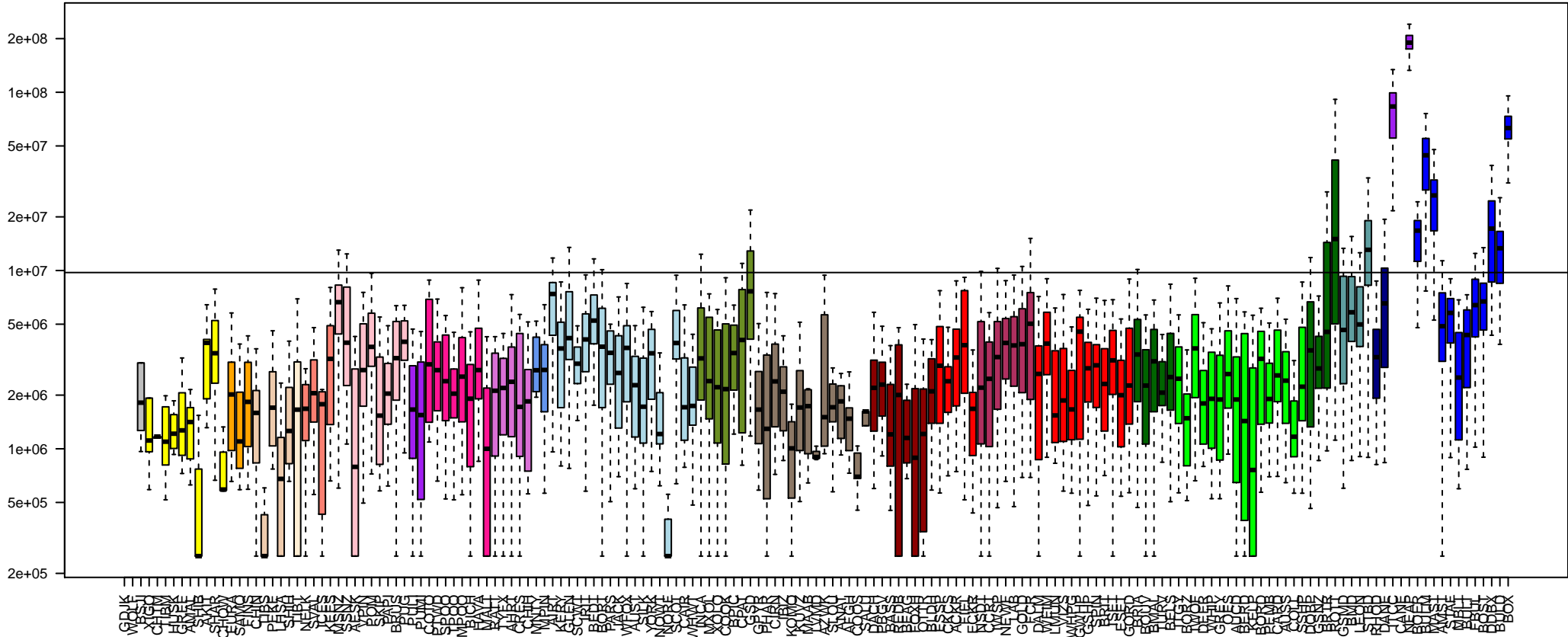
Bullmastiff



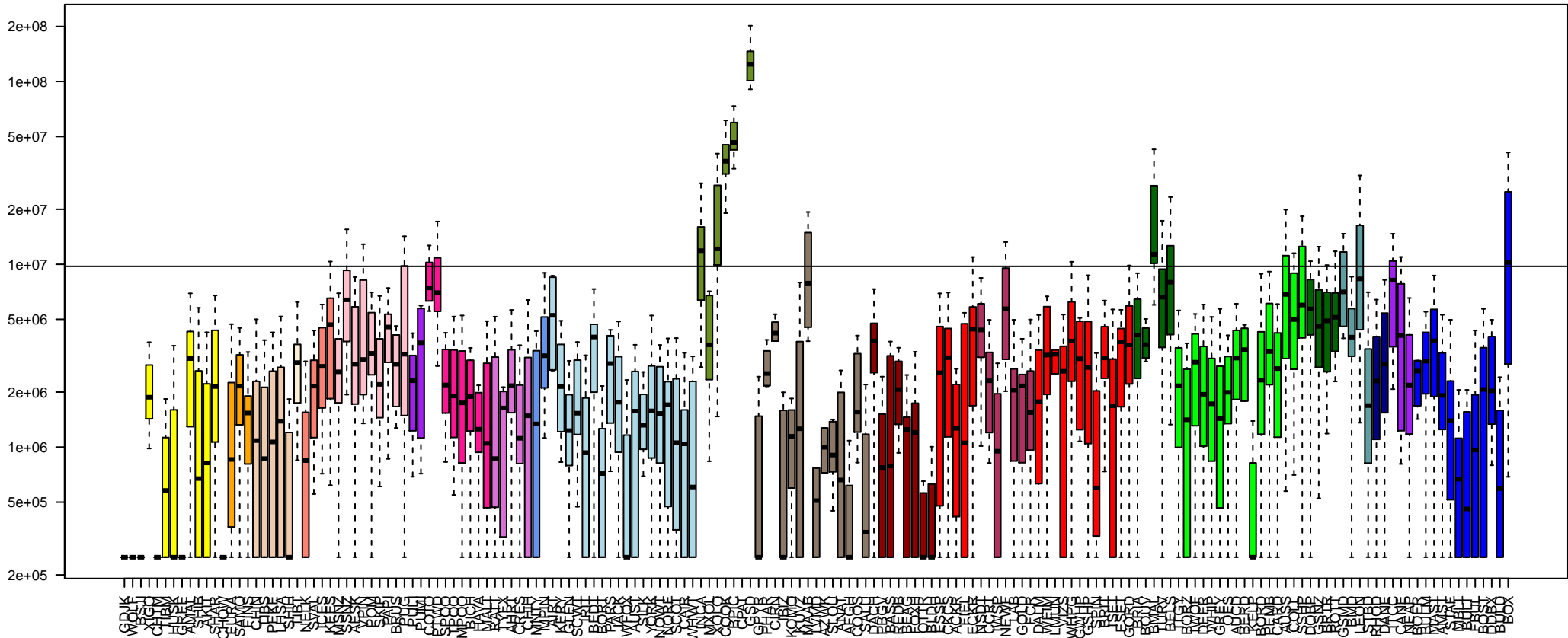
Cairn Terrier



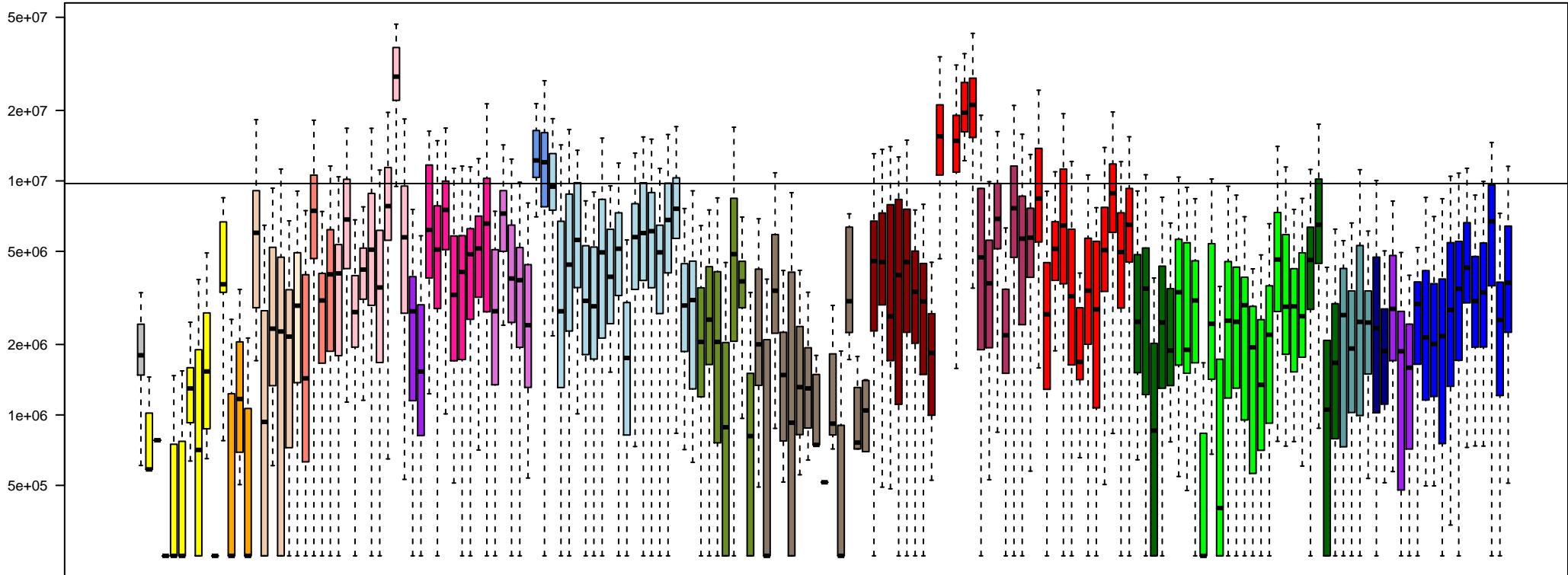
Cane Corso – North American



Cane Paratore

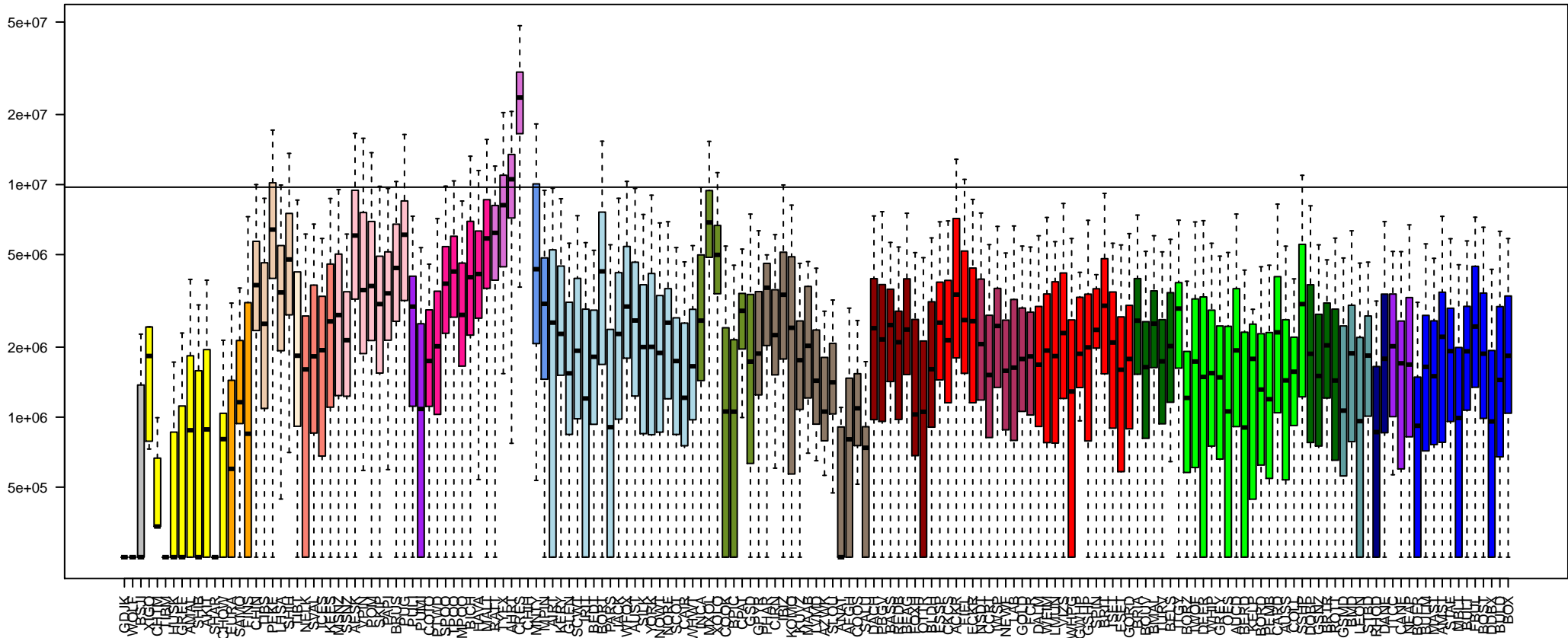


Cavalier King Charles Spaniel

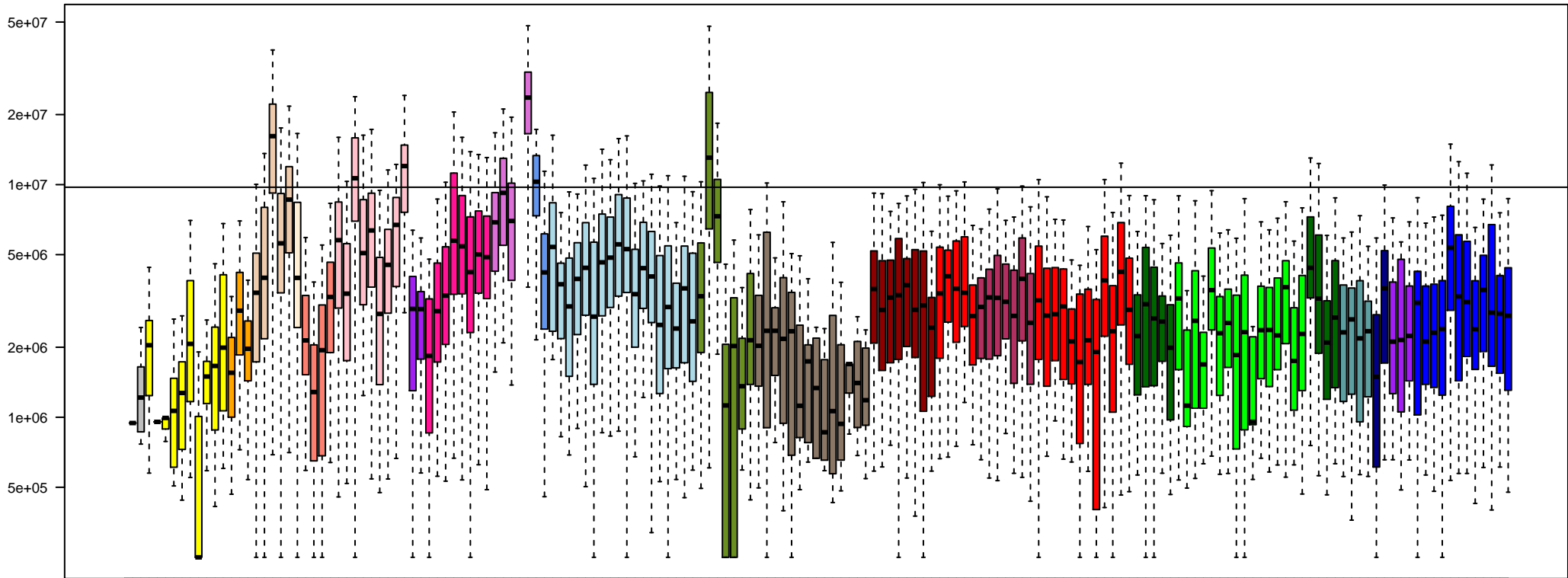


100 categories of data, likely representing different genetic markers or traits, are listed along the x-axis. The labels are small and rotated for readability.

Chihuahua

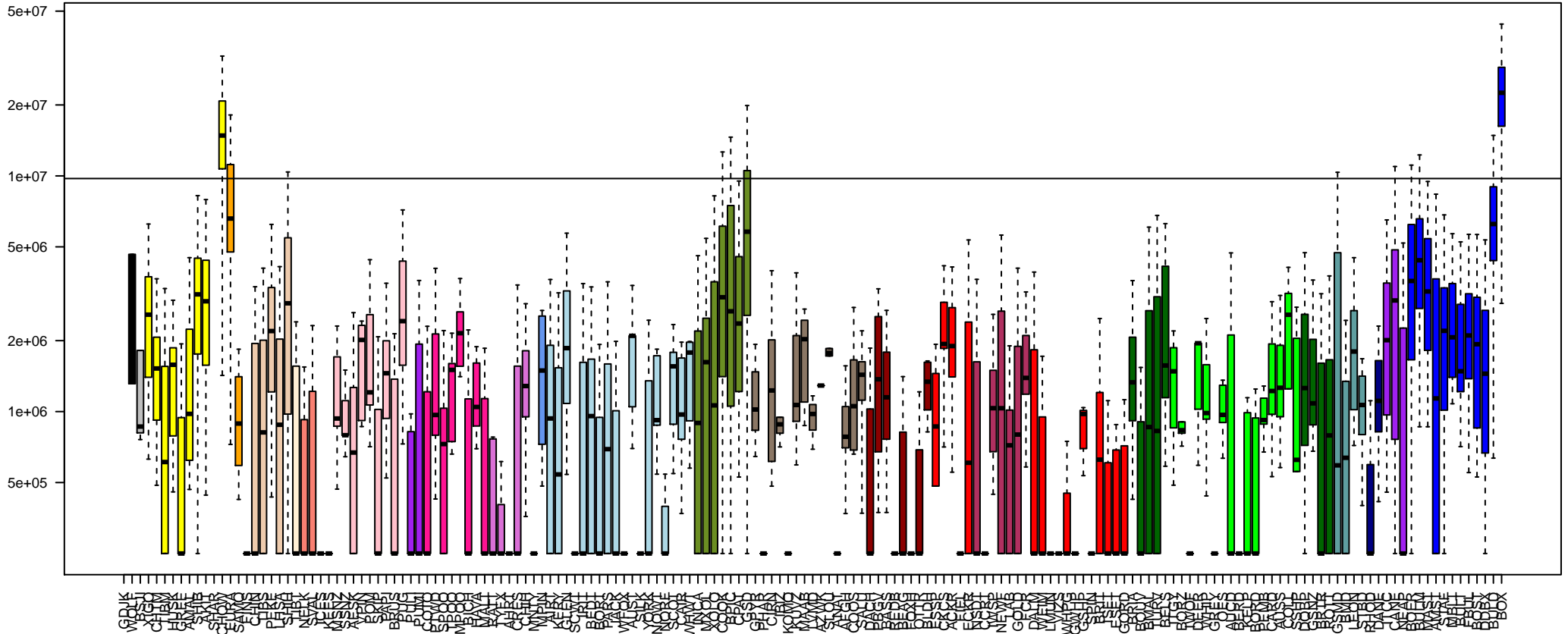


Chinese Crested

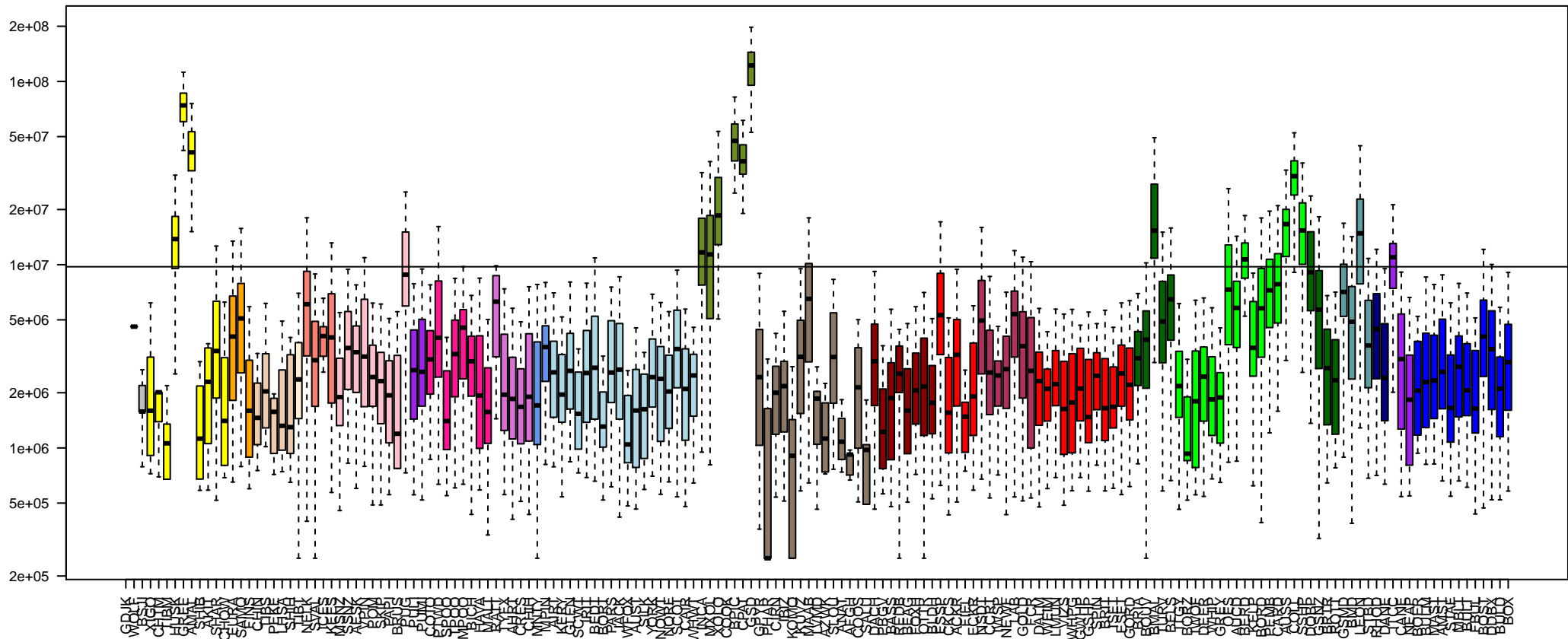


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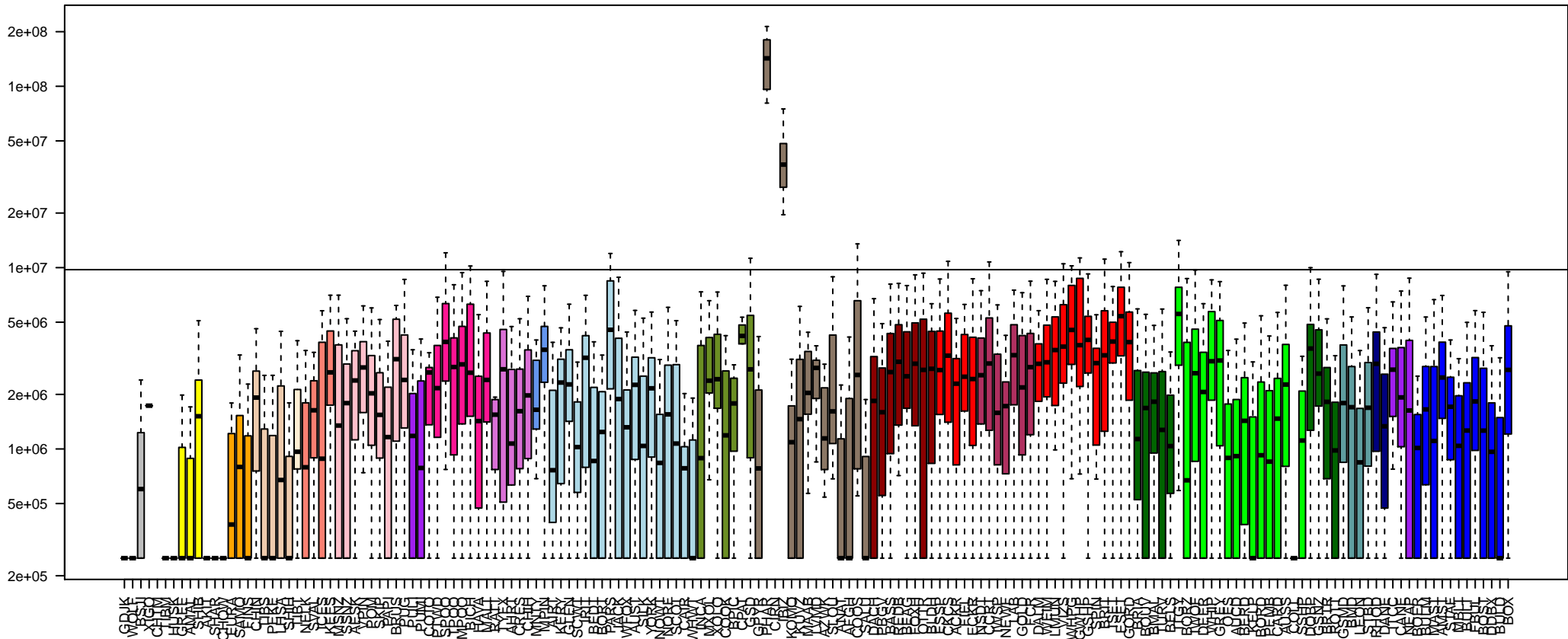
Chinese Shar-Pei



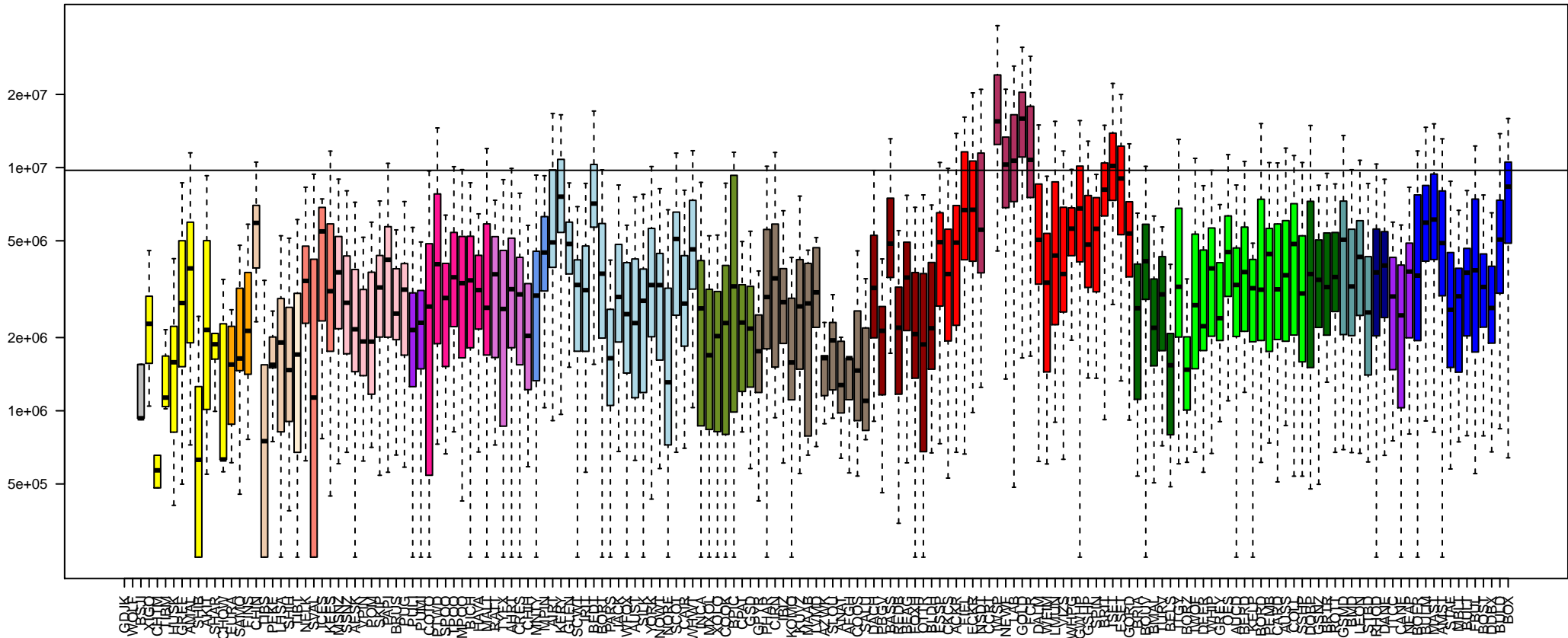
Chinook



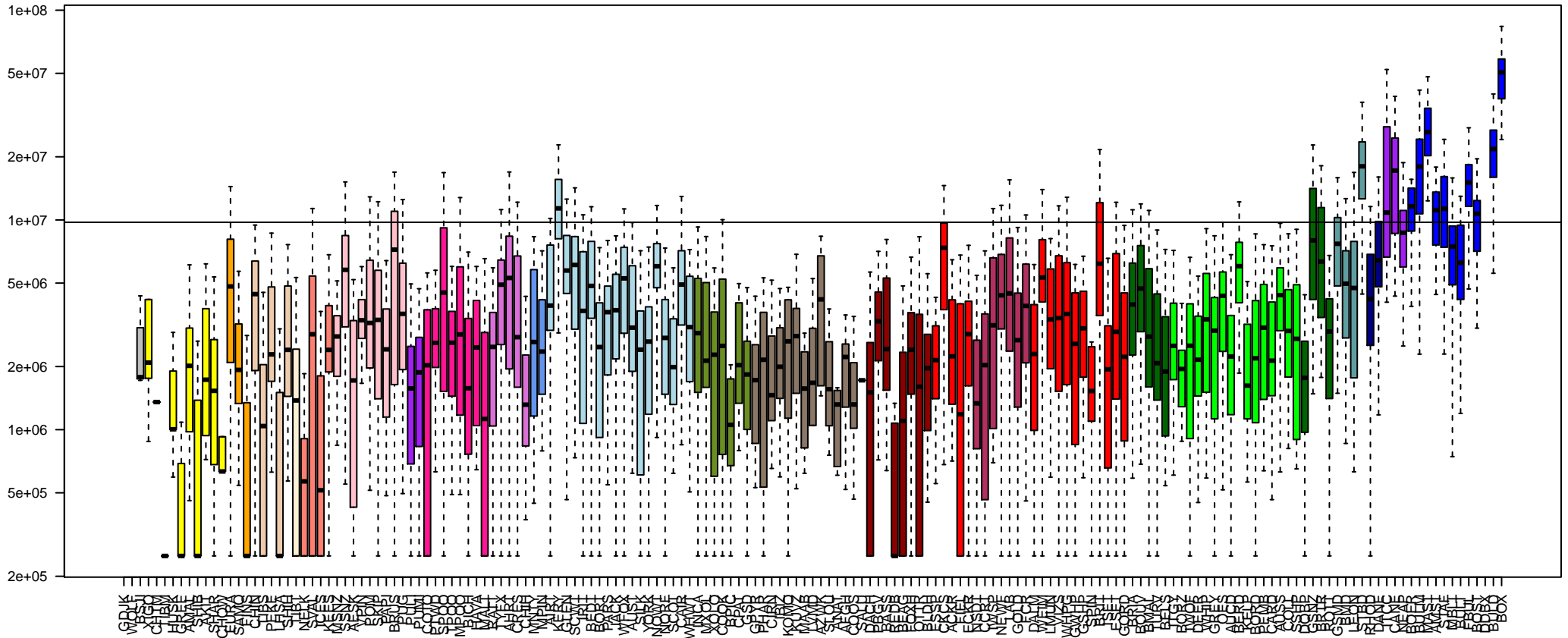
Circeo dell'Etna



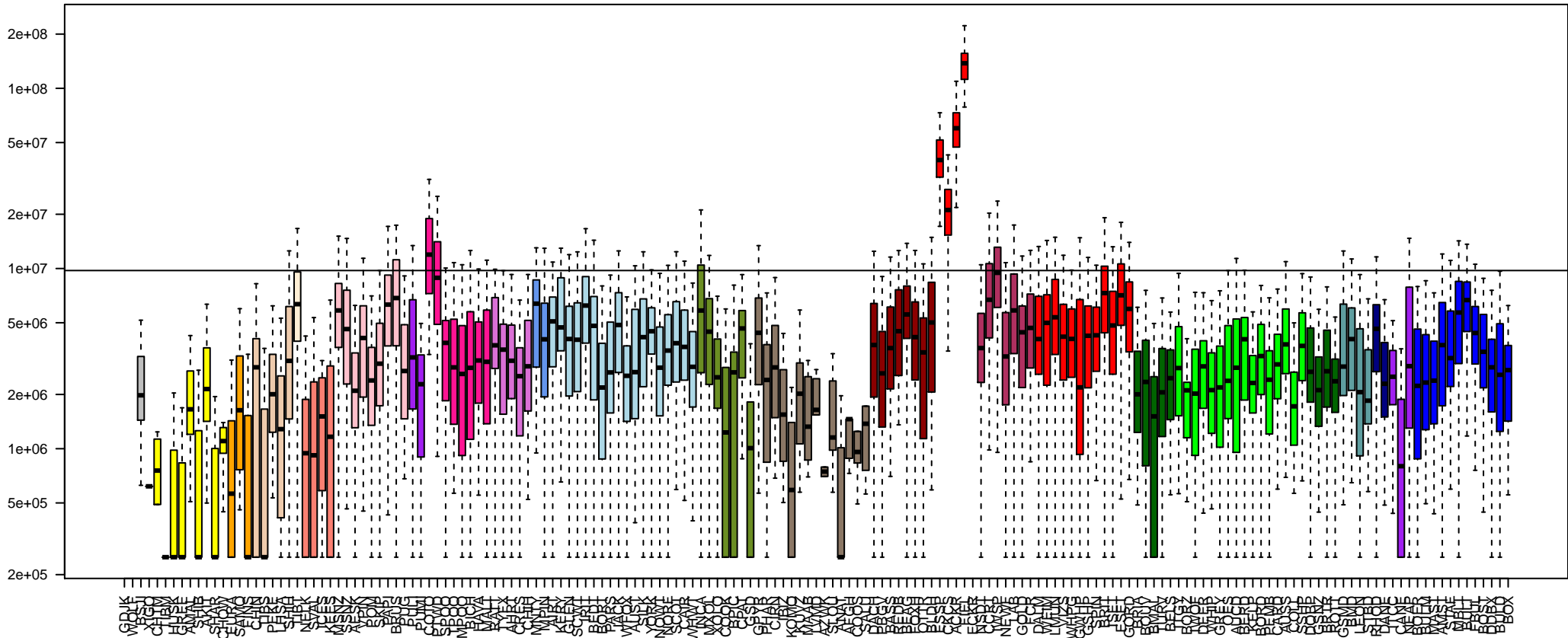
Curly-Coated Retriever



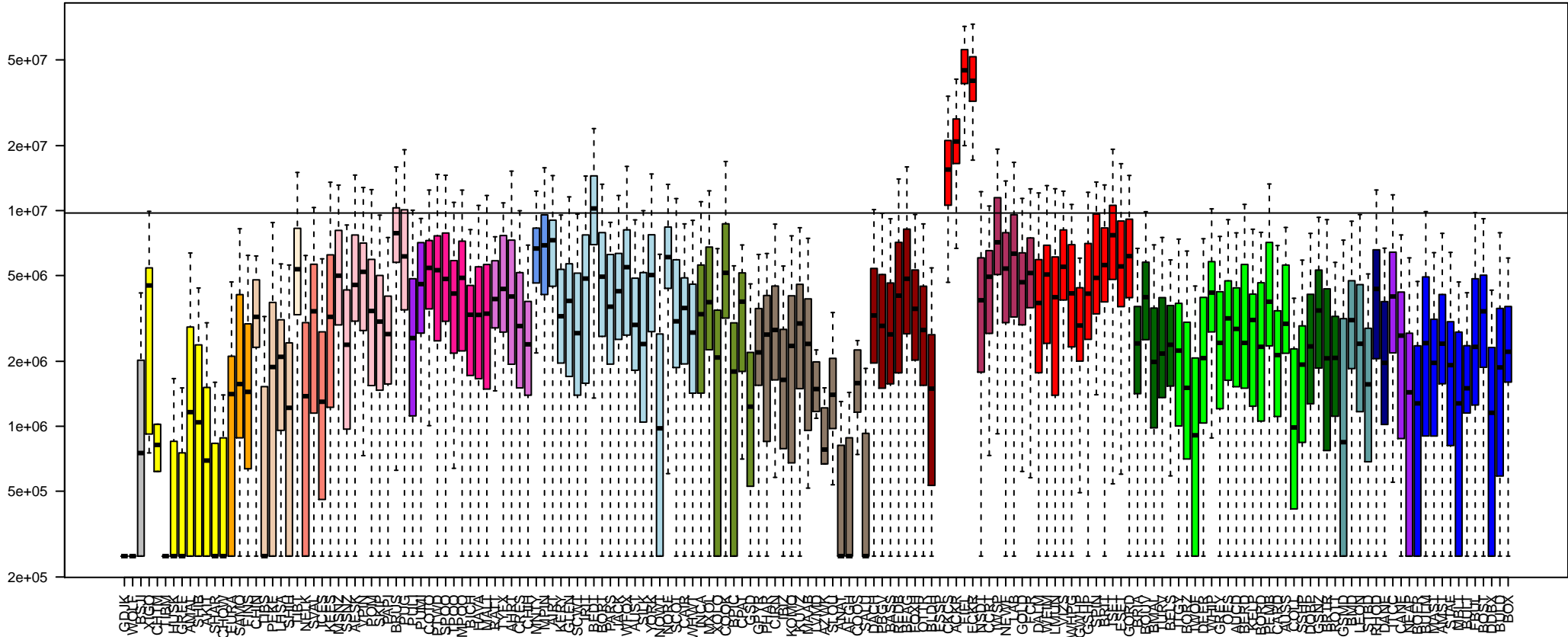
Dogue de Bordeaux



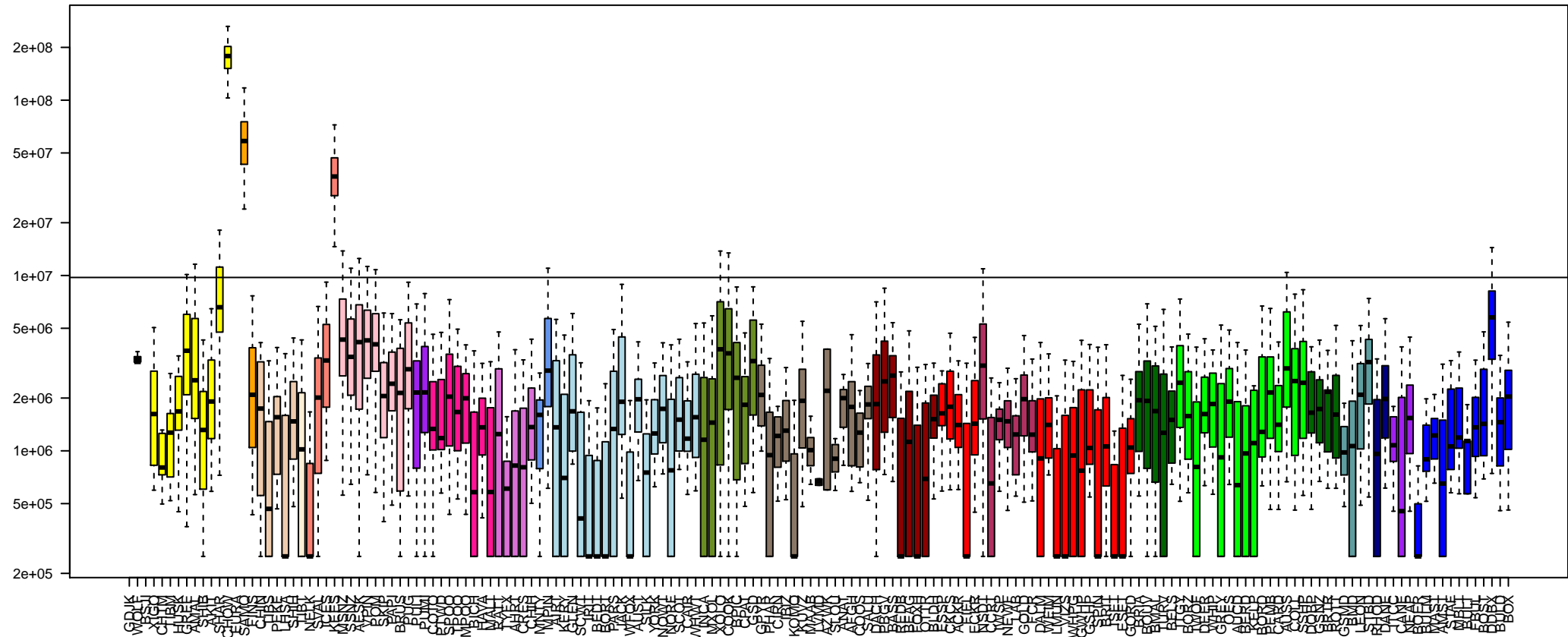
English Cocker Spaniel



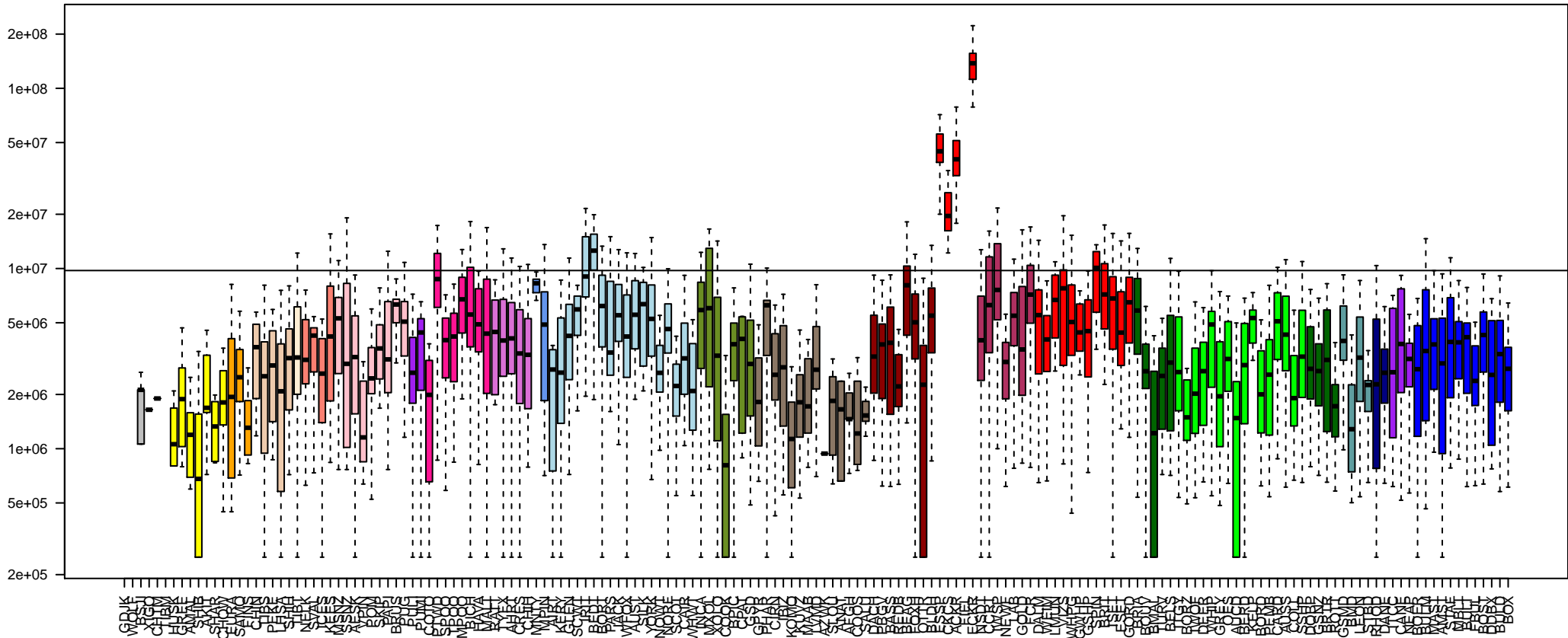
English Springer Spaniel



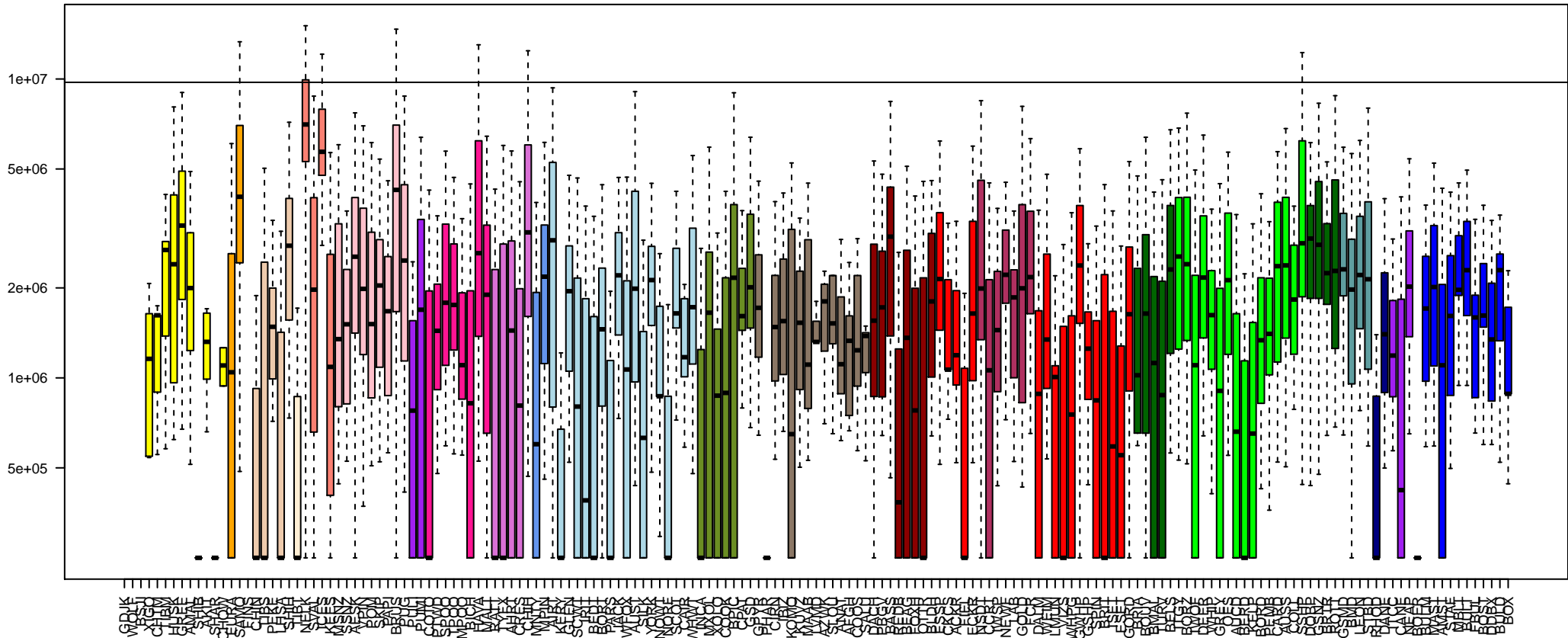
Eurasier



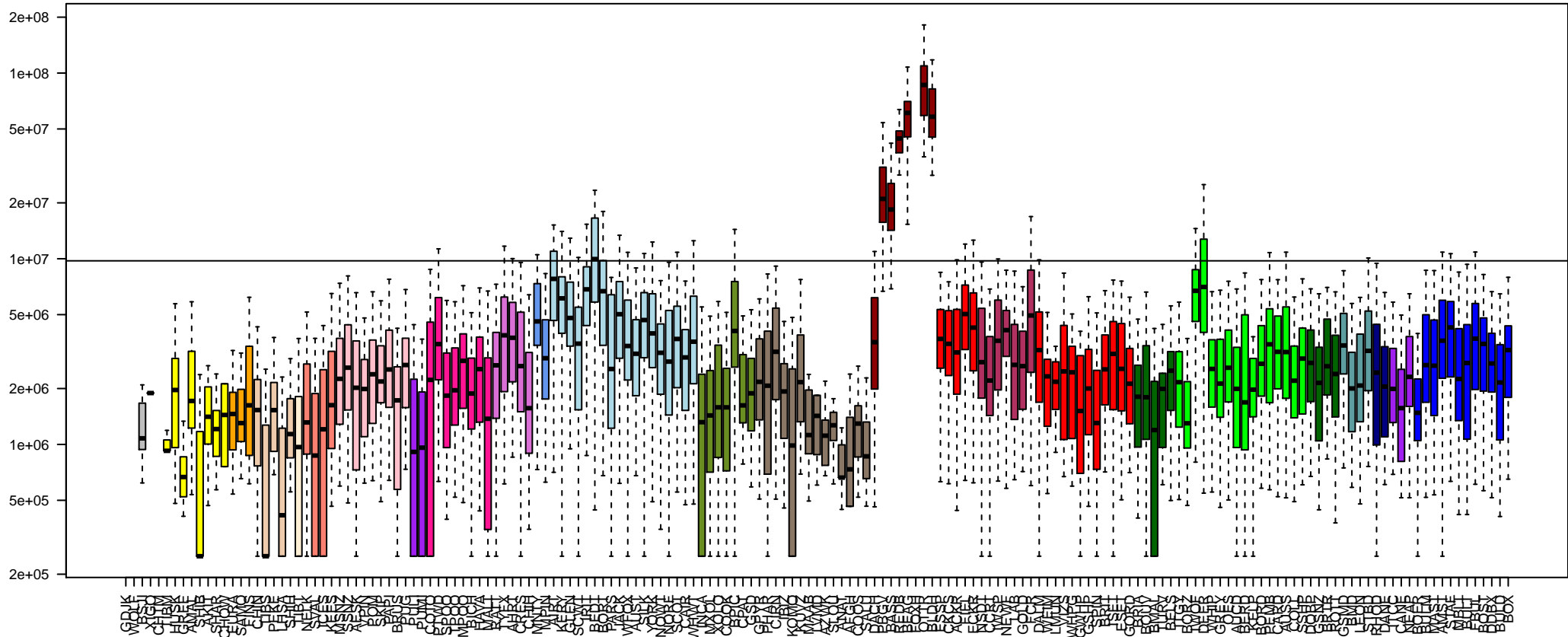
Field Spaniel



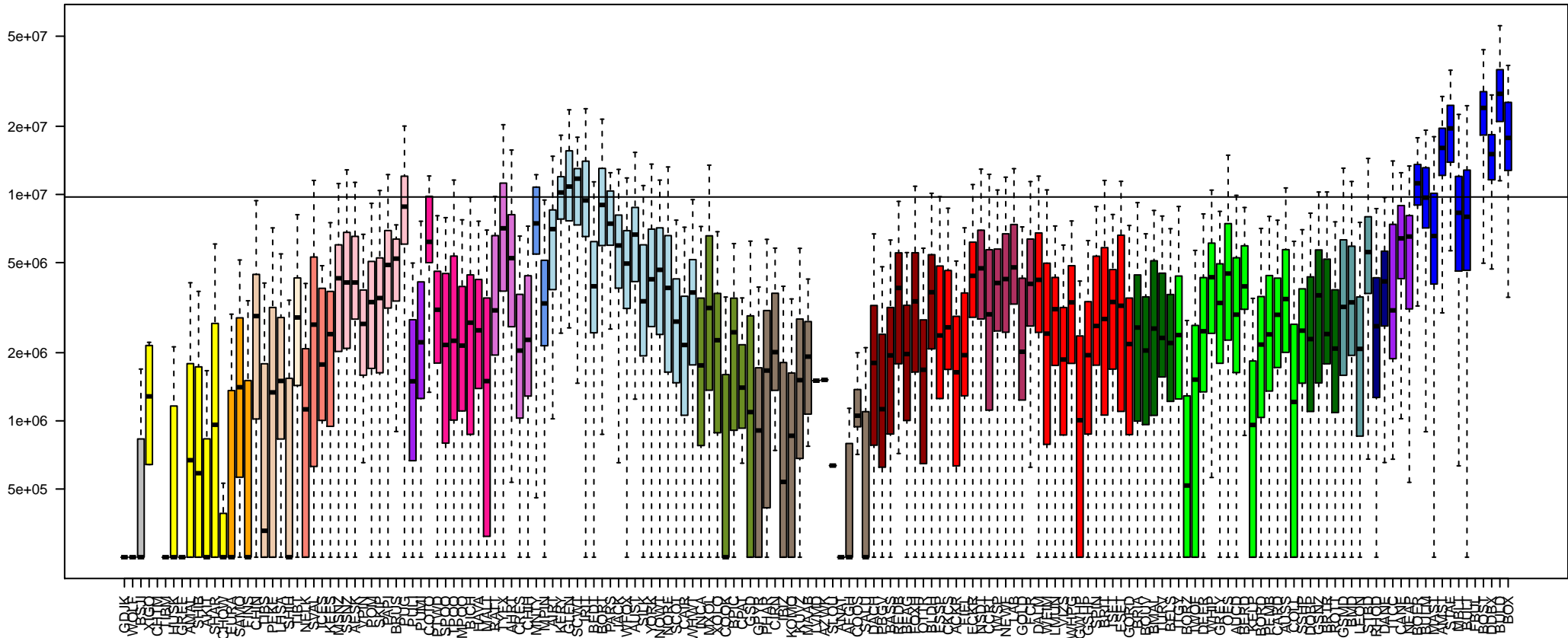
Finish Spitz



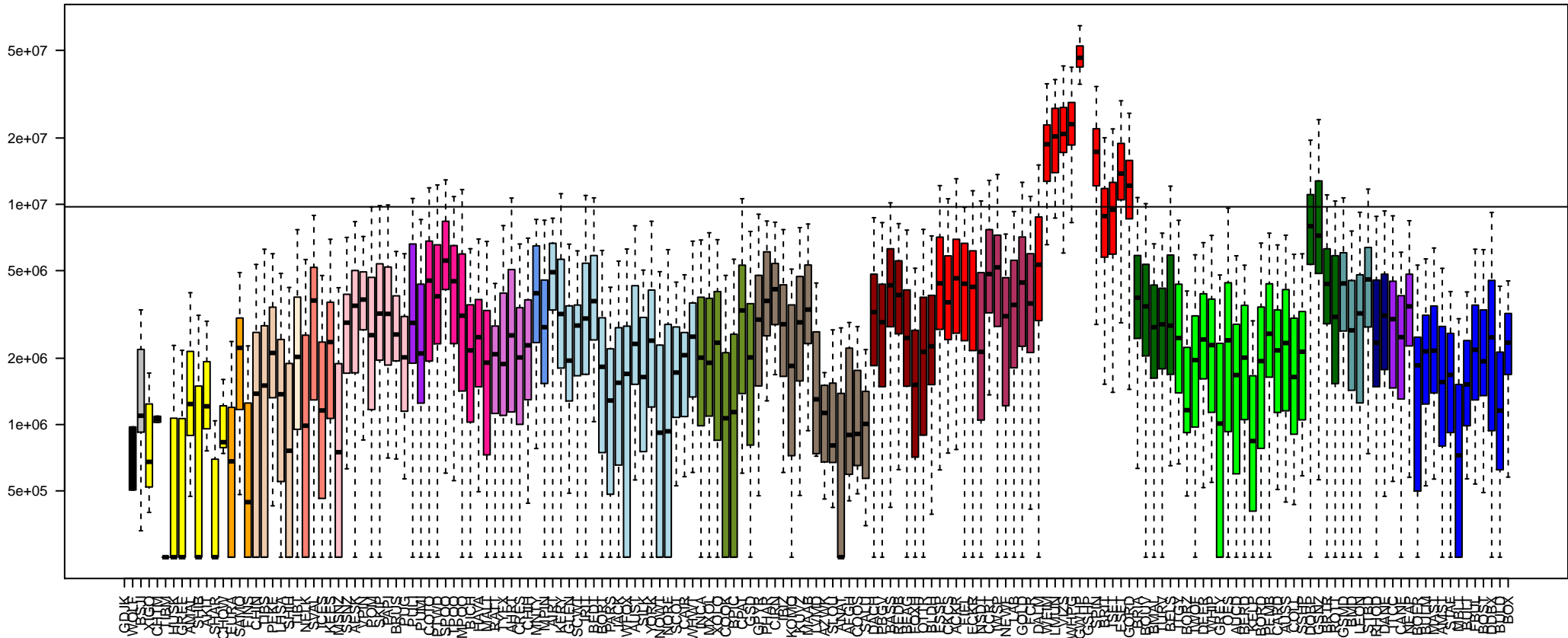
Foxhound



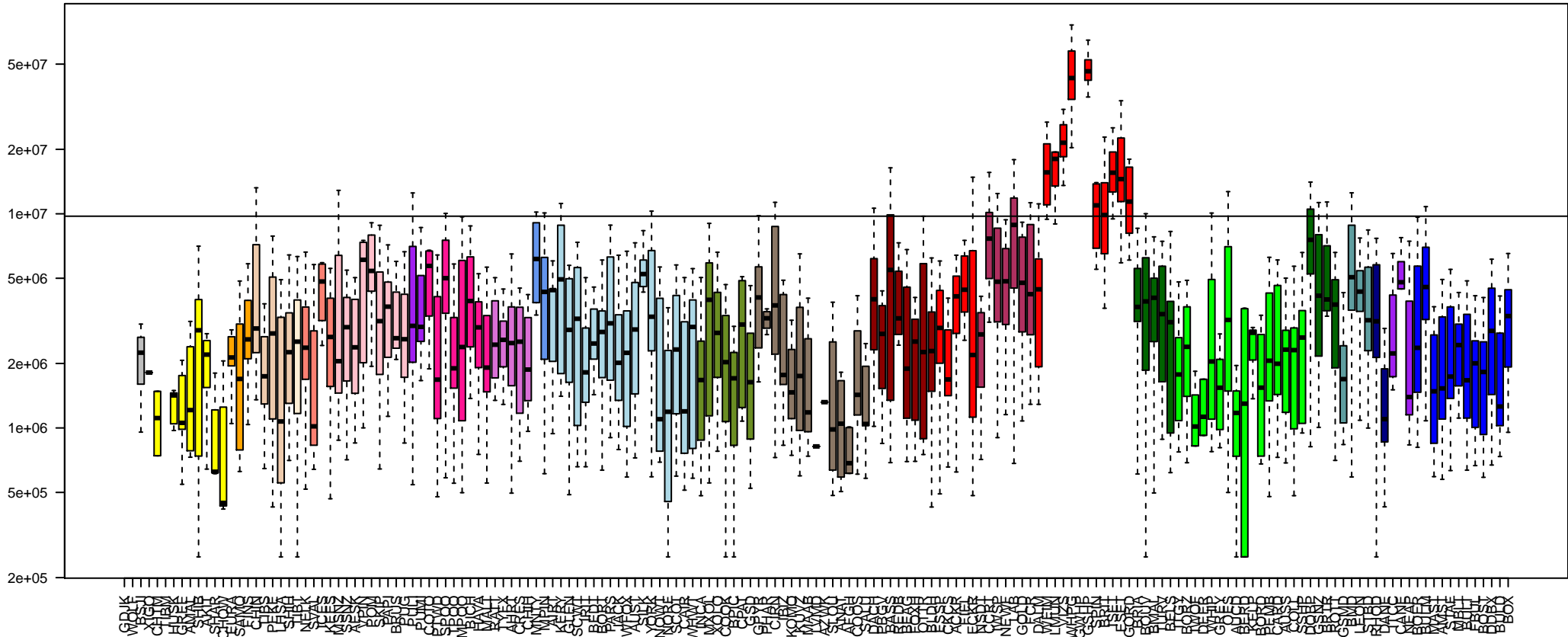
French Bulldog



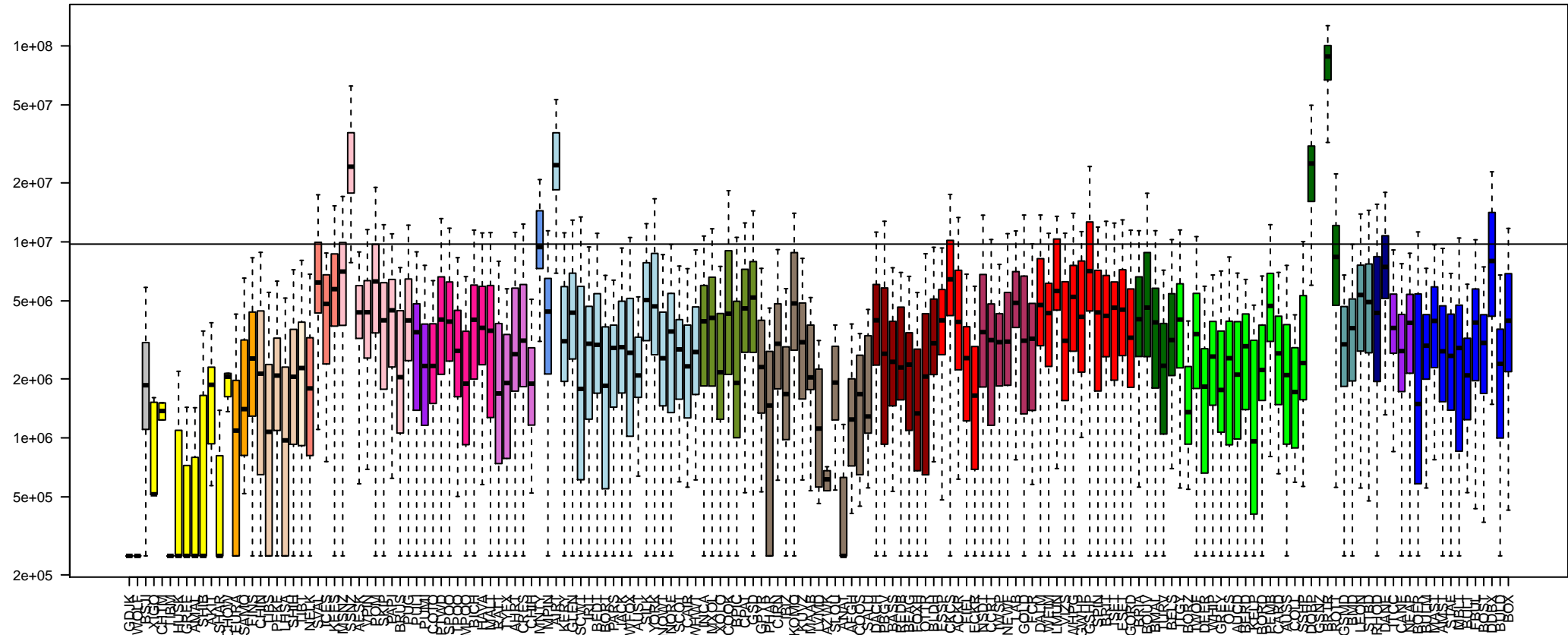
German Shorthaired Pointer



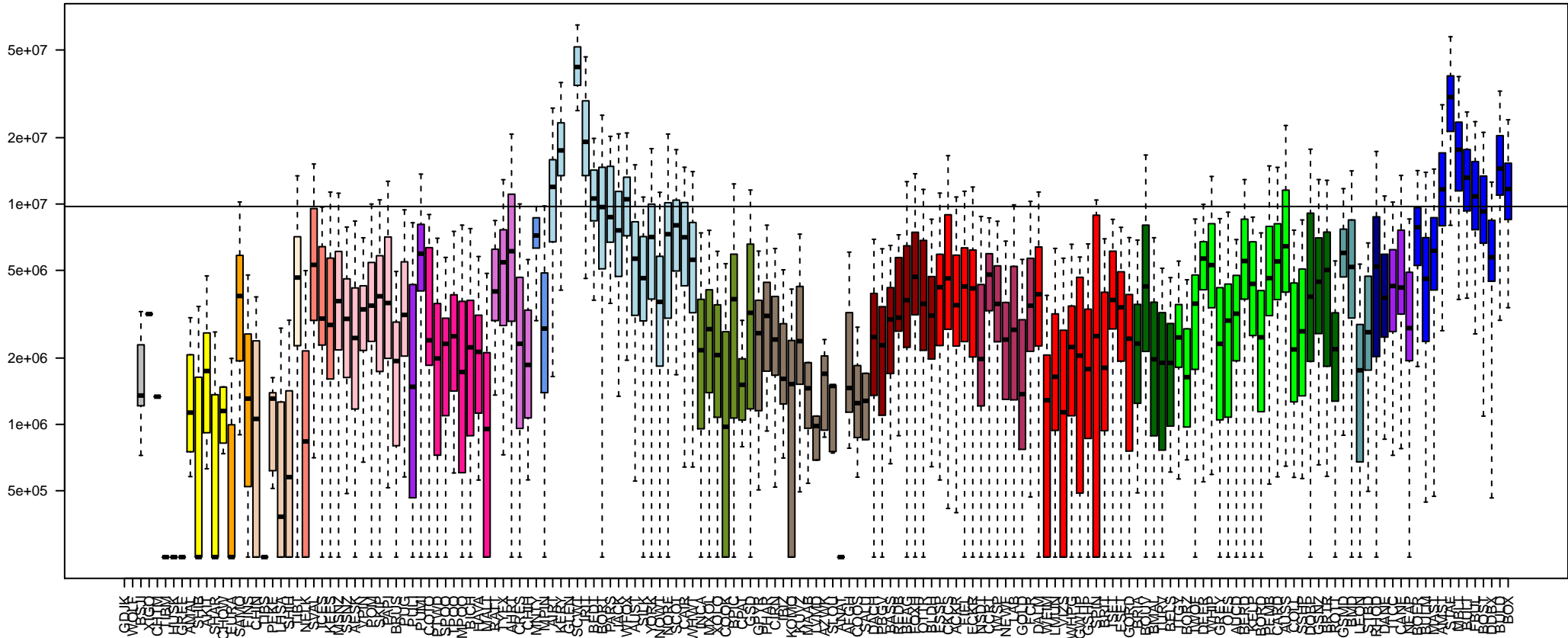
German Wirehaired Pointer



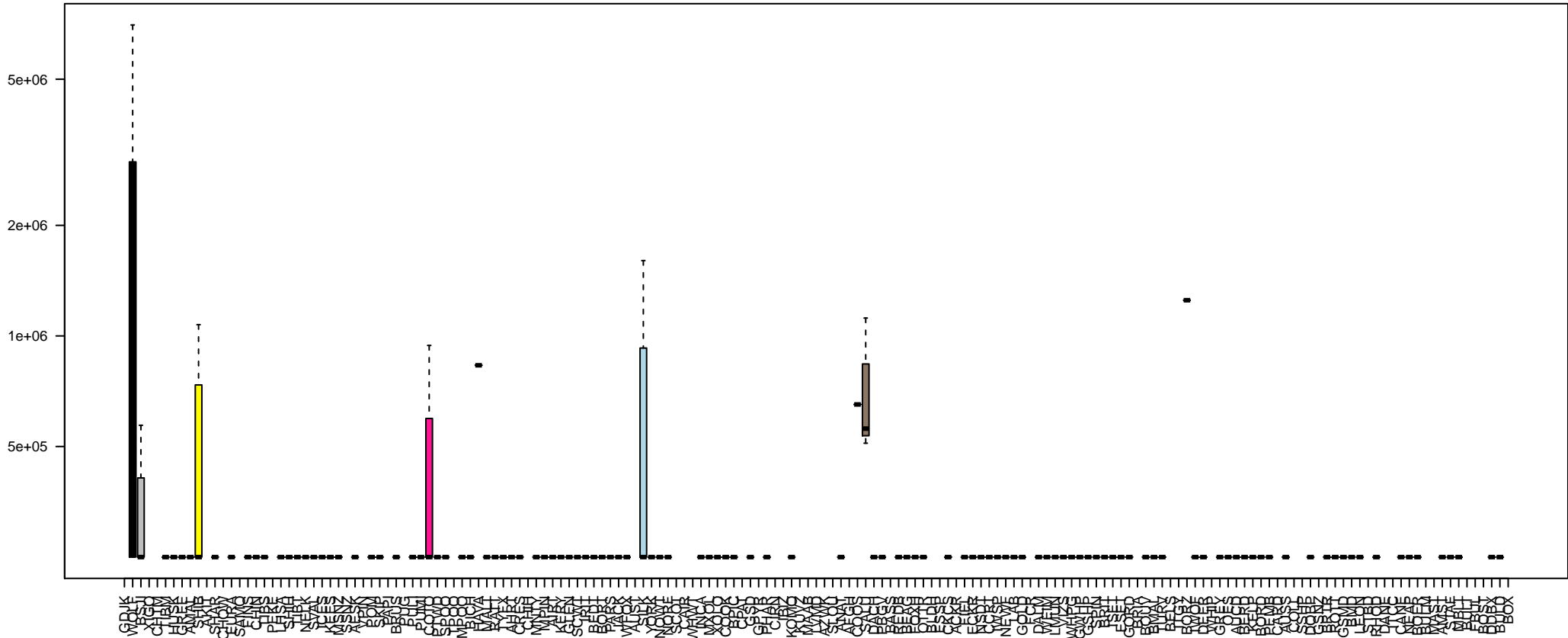
Giant Schnauzer



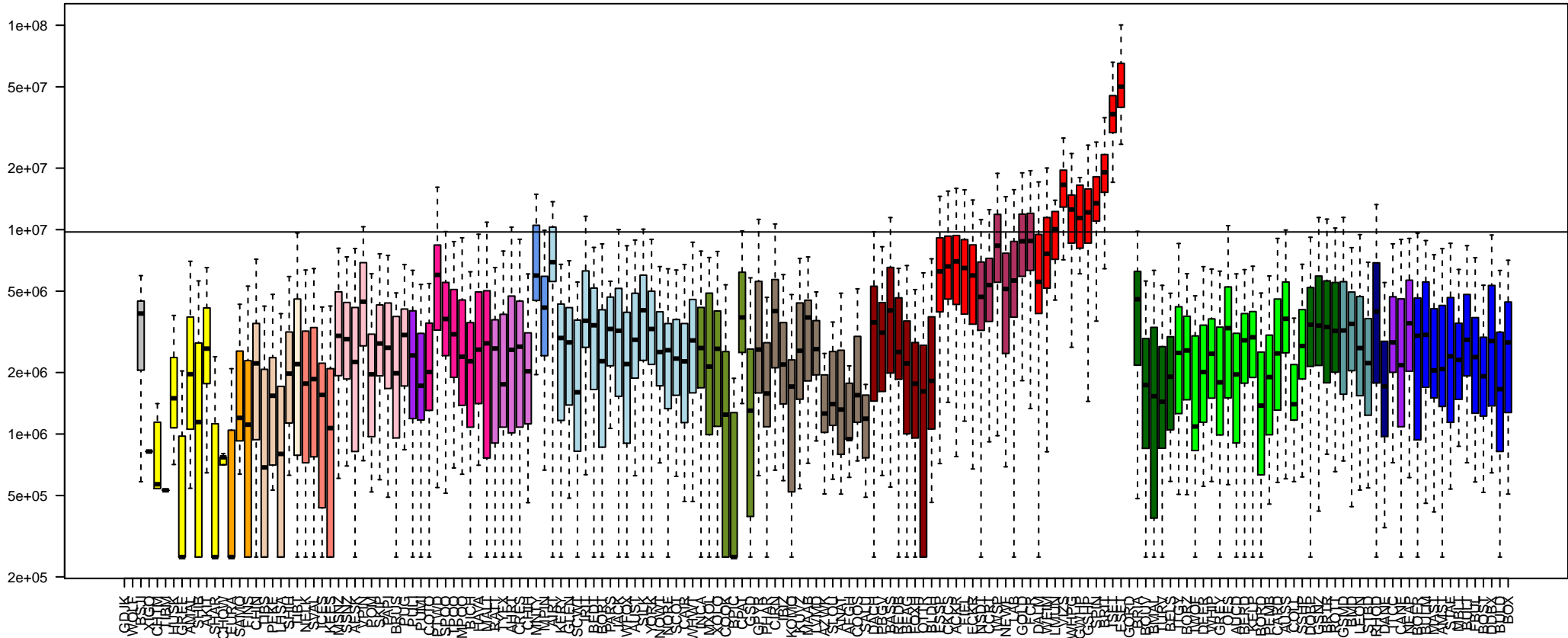
Glen of Imaal Terrier



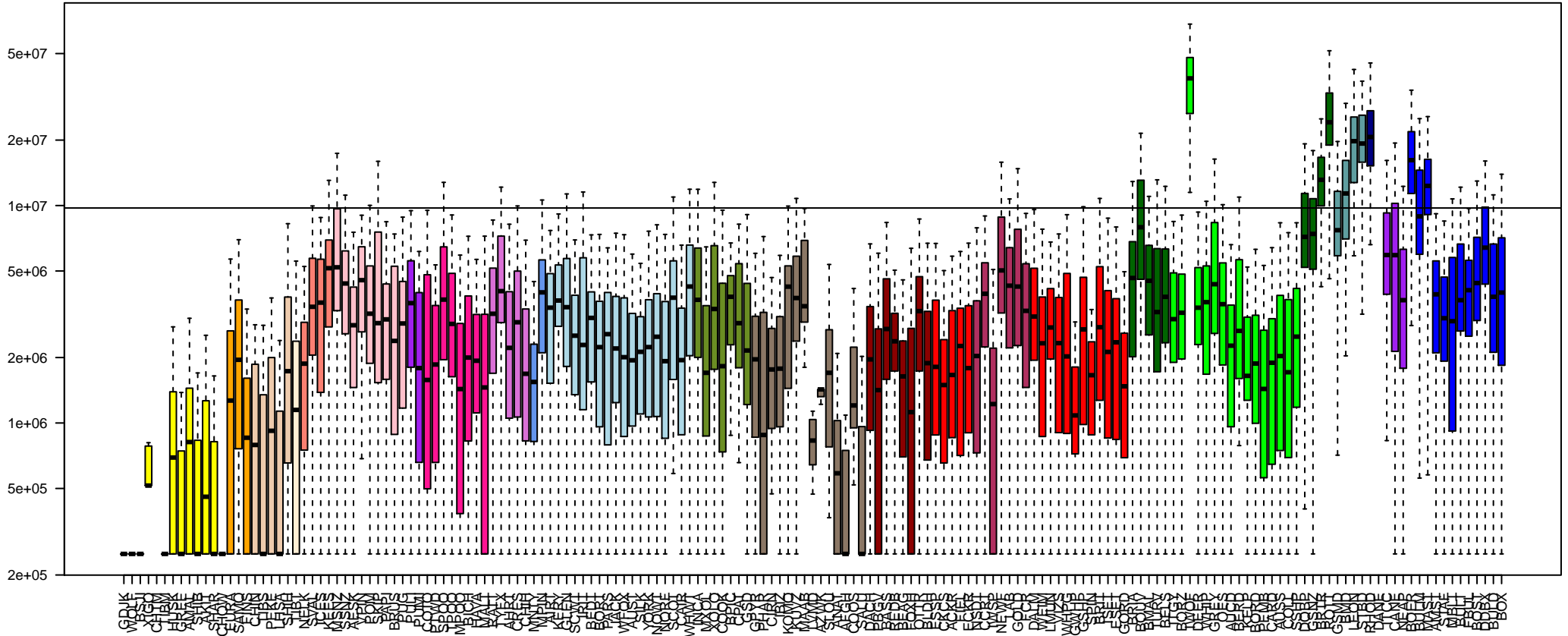
Golden Jackal



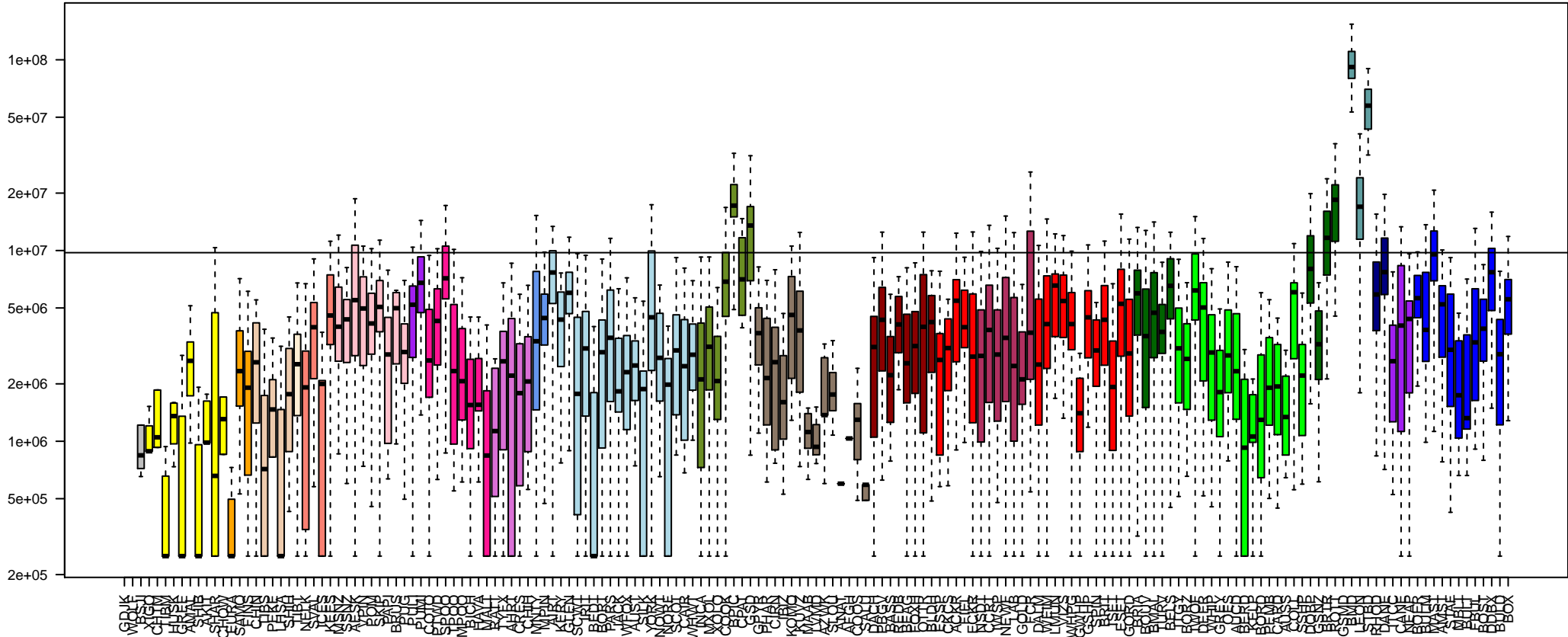
Gordon Setter



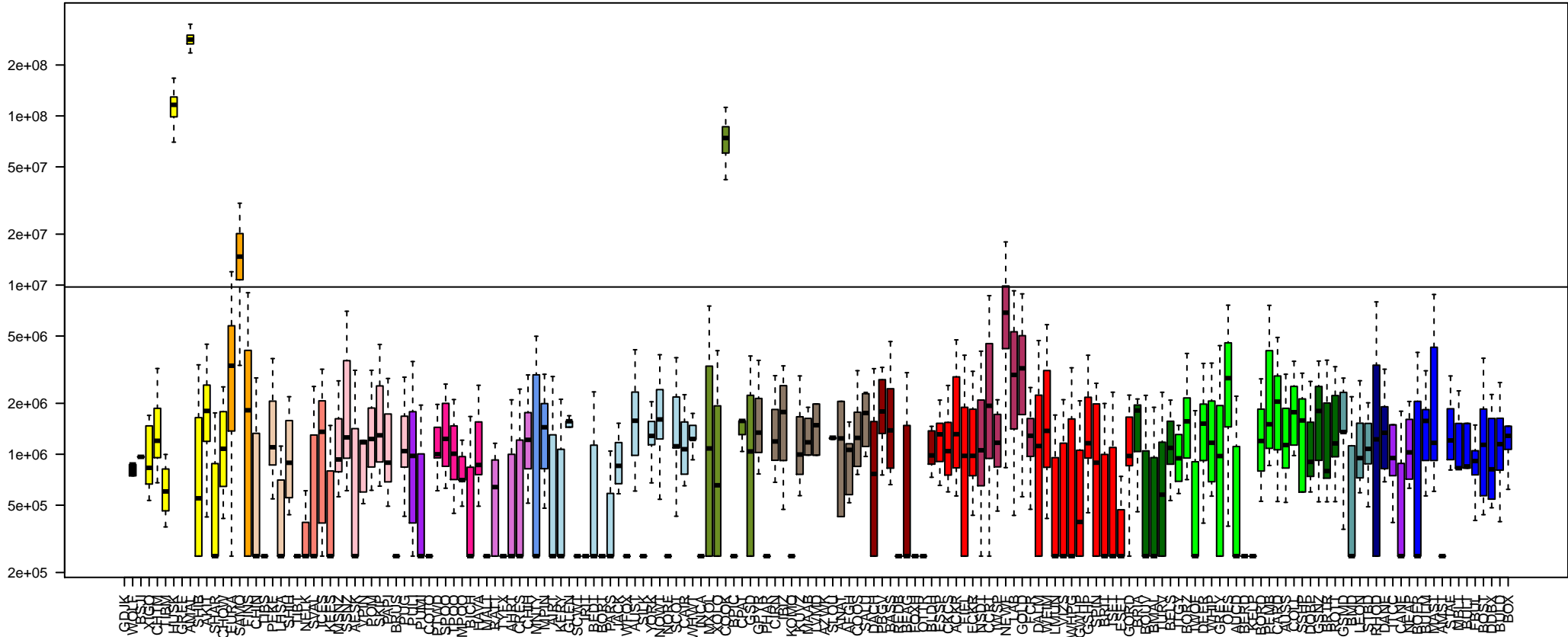
Great Dane



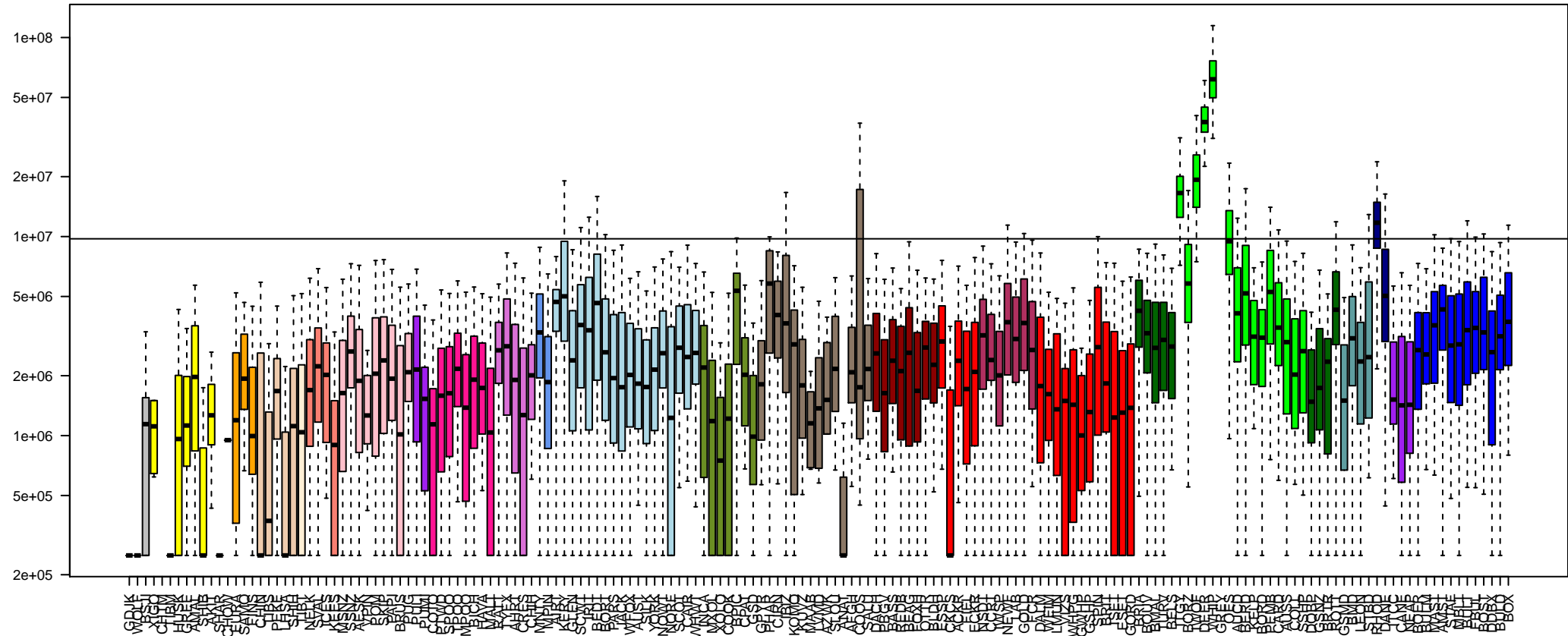
Greater Swiss Mountain Dog



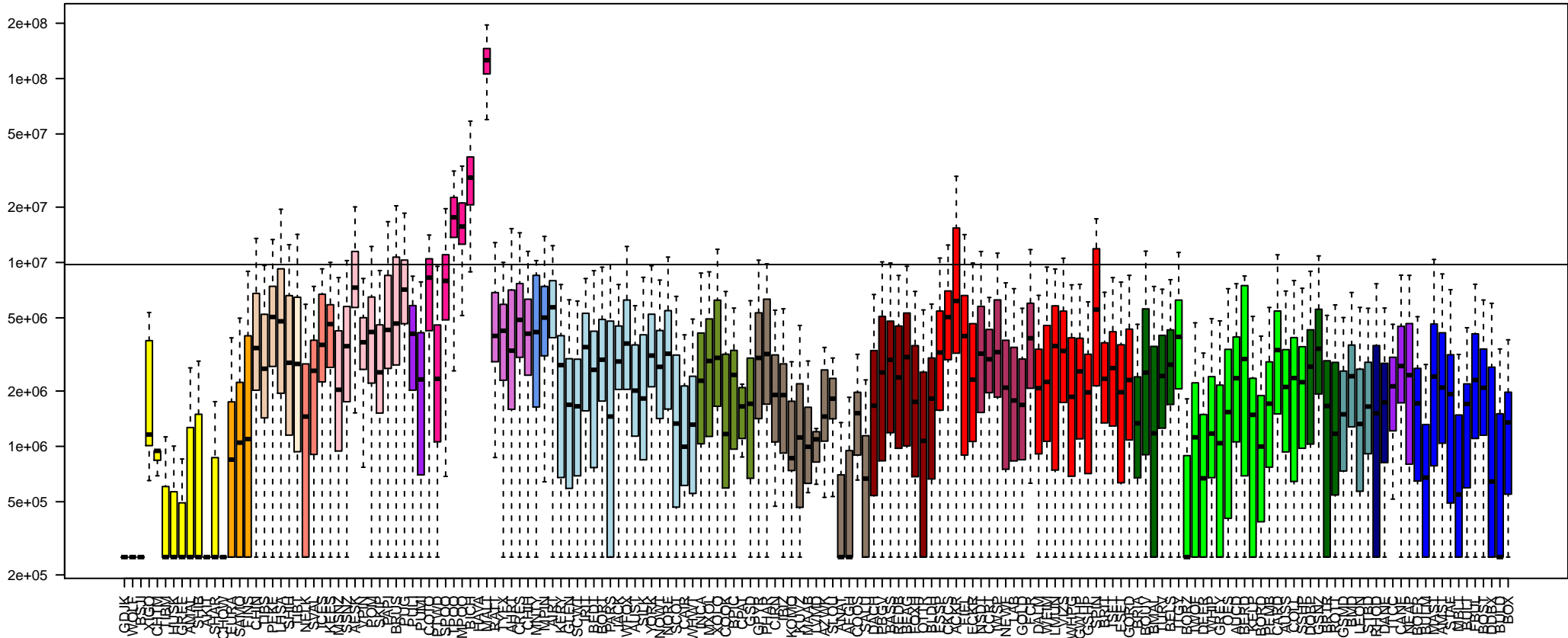
Greenland Sledge Dog



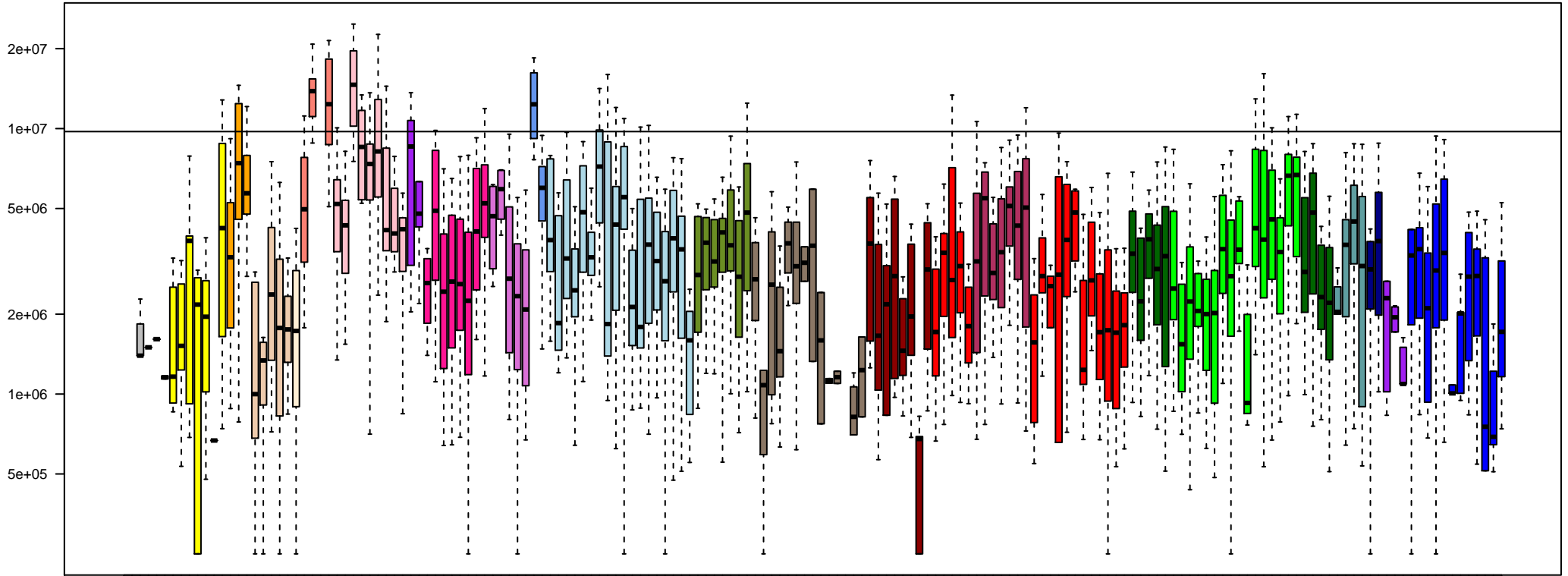
Greyhound



Havaneses

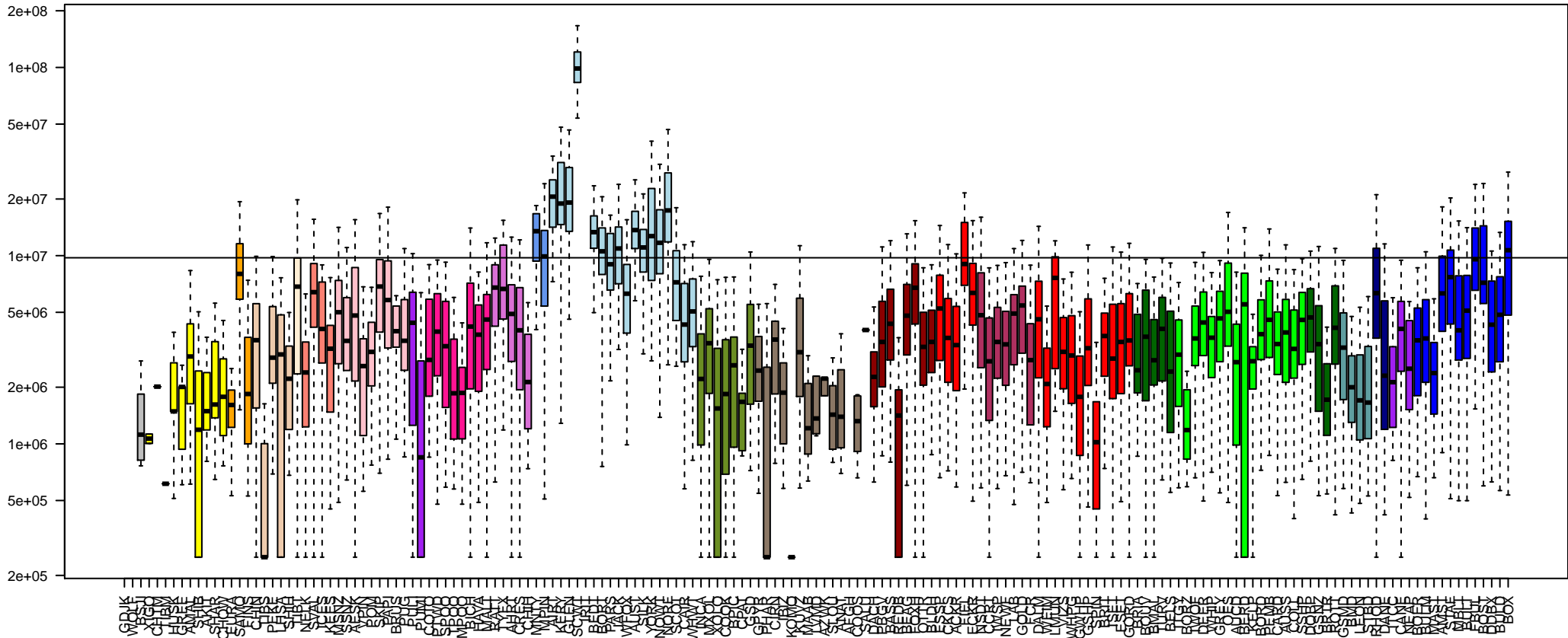


Icelandic Sheepdog

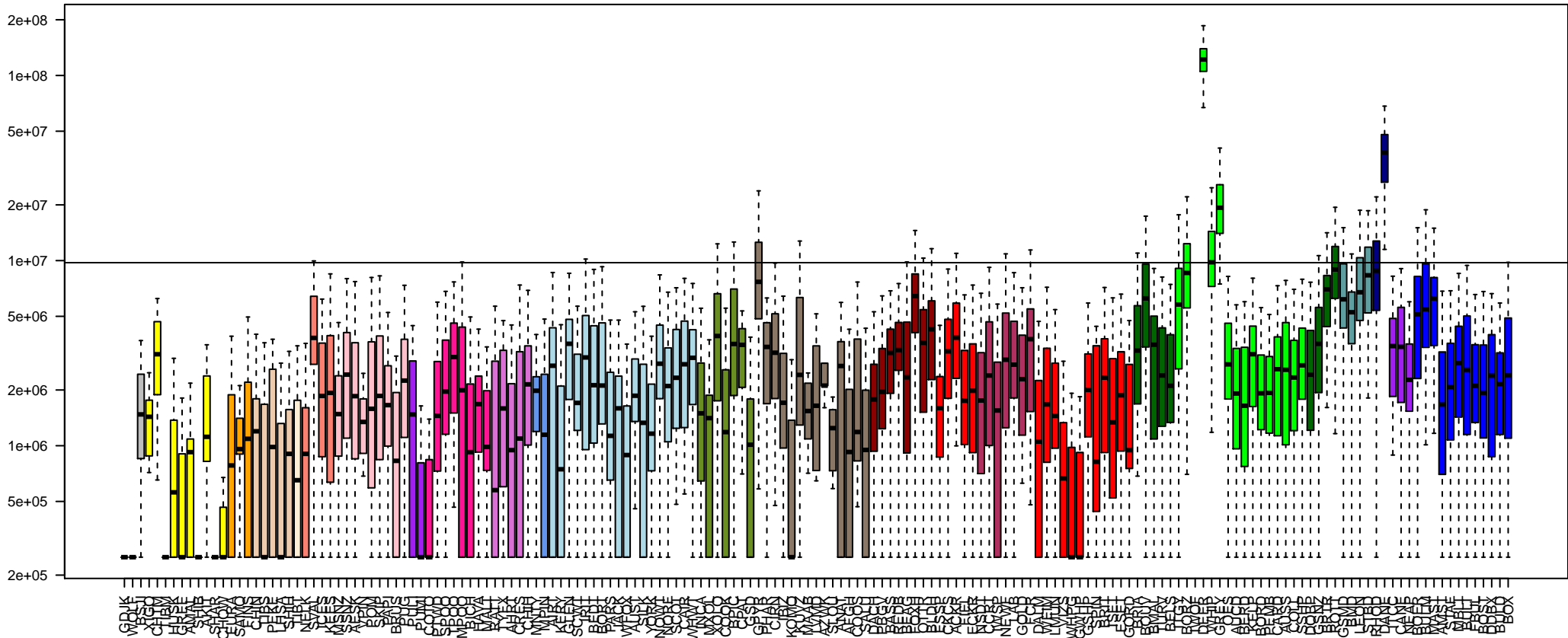


Small, rotated text labels along the x-axis, likely representing categories or groups. The labels are densely packed and difficult to read due to their orientation and size.

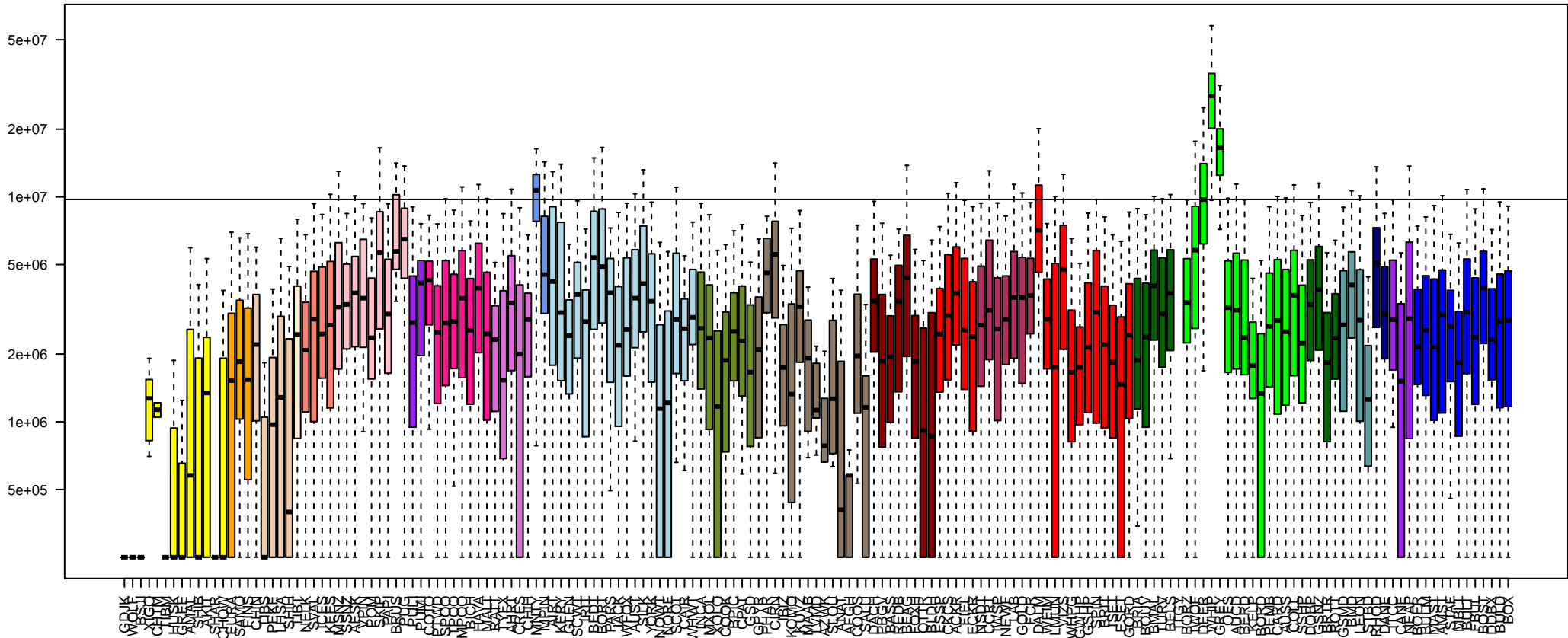
Irish Terrier



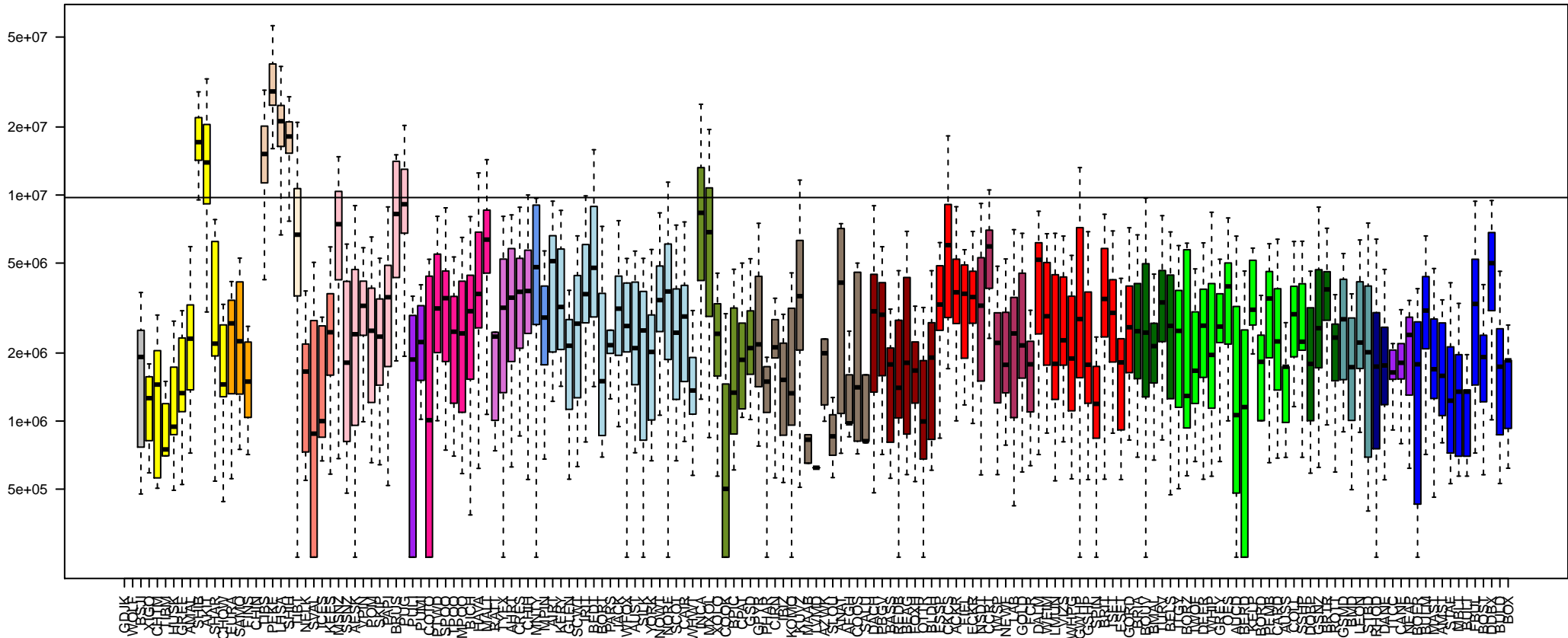
Irish Wolfhound



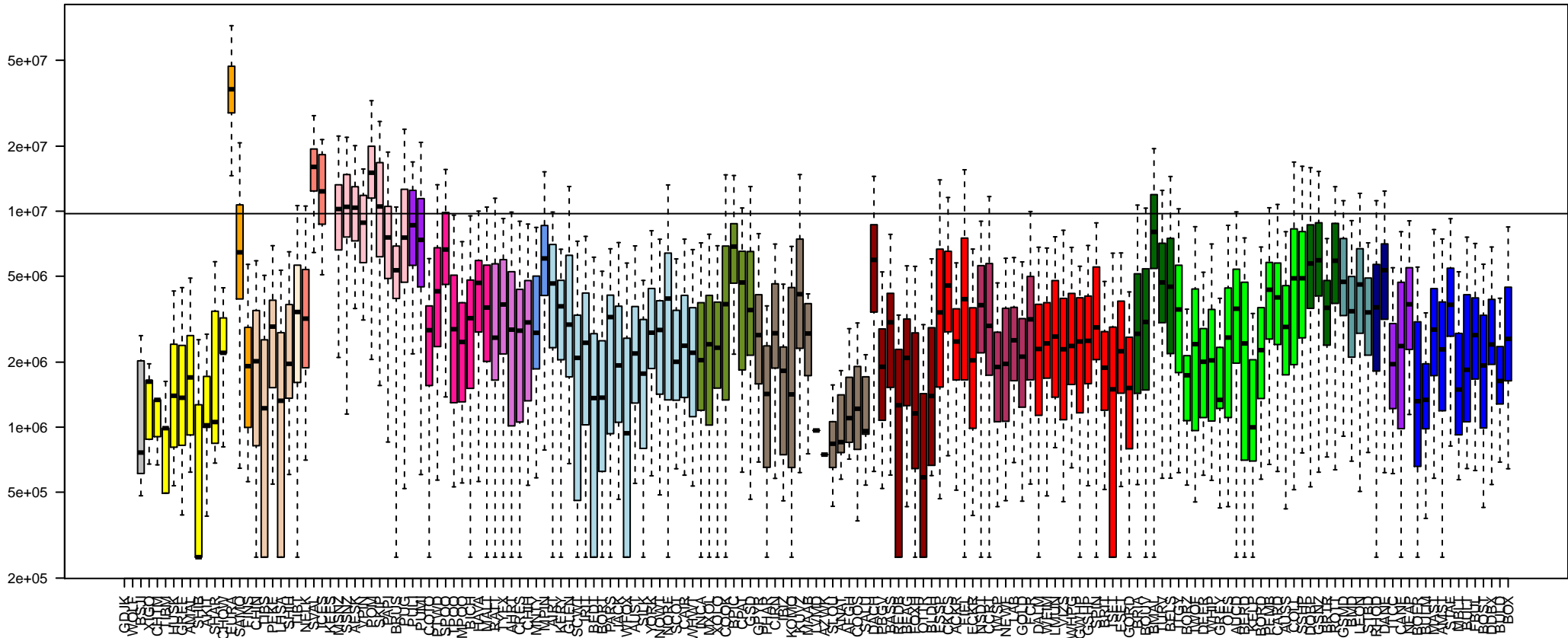
Italian Greyhound



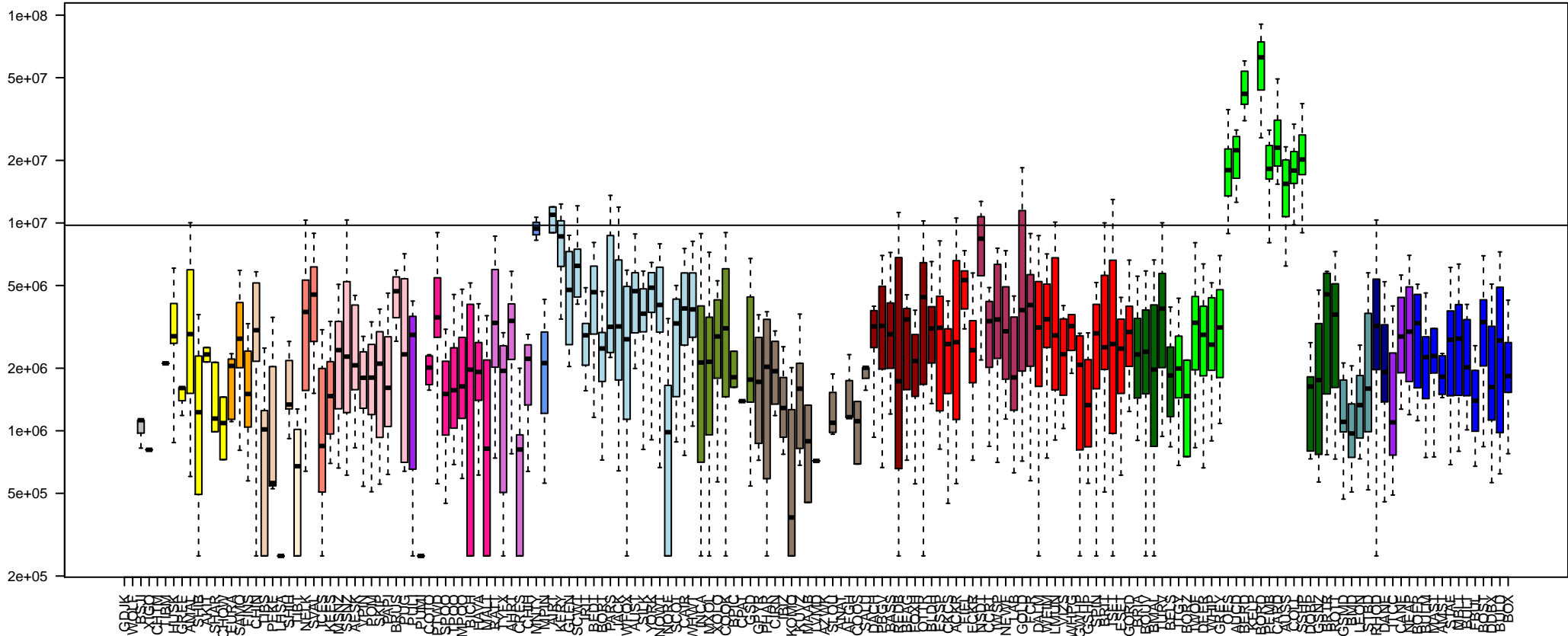
Japanese Chin



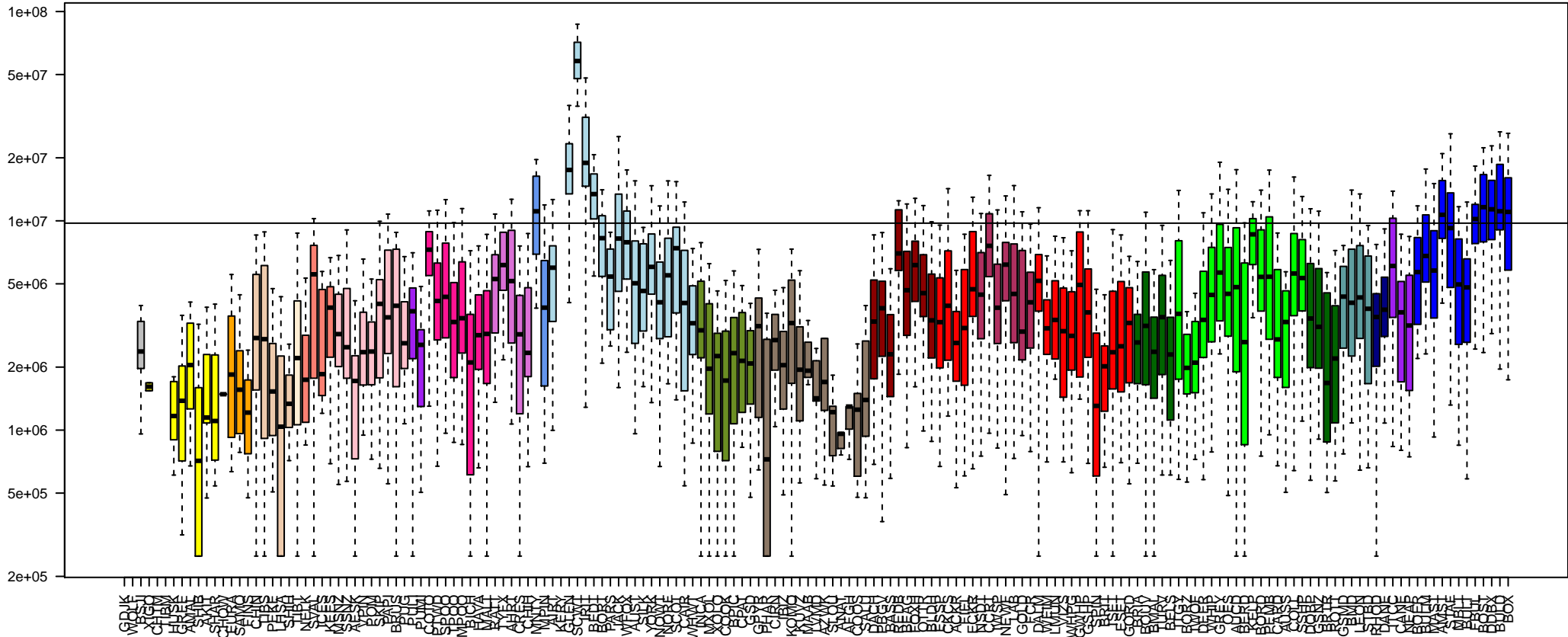
Keeshond



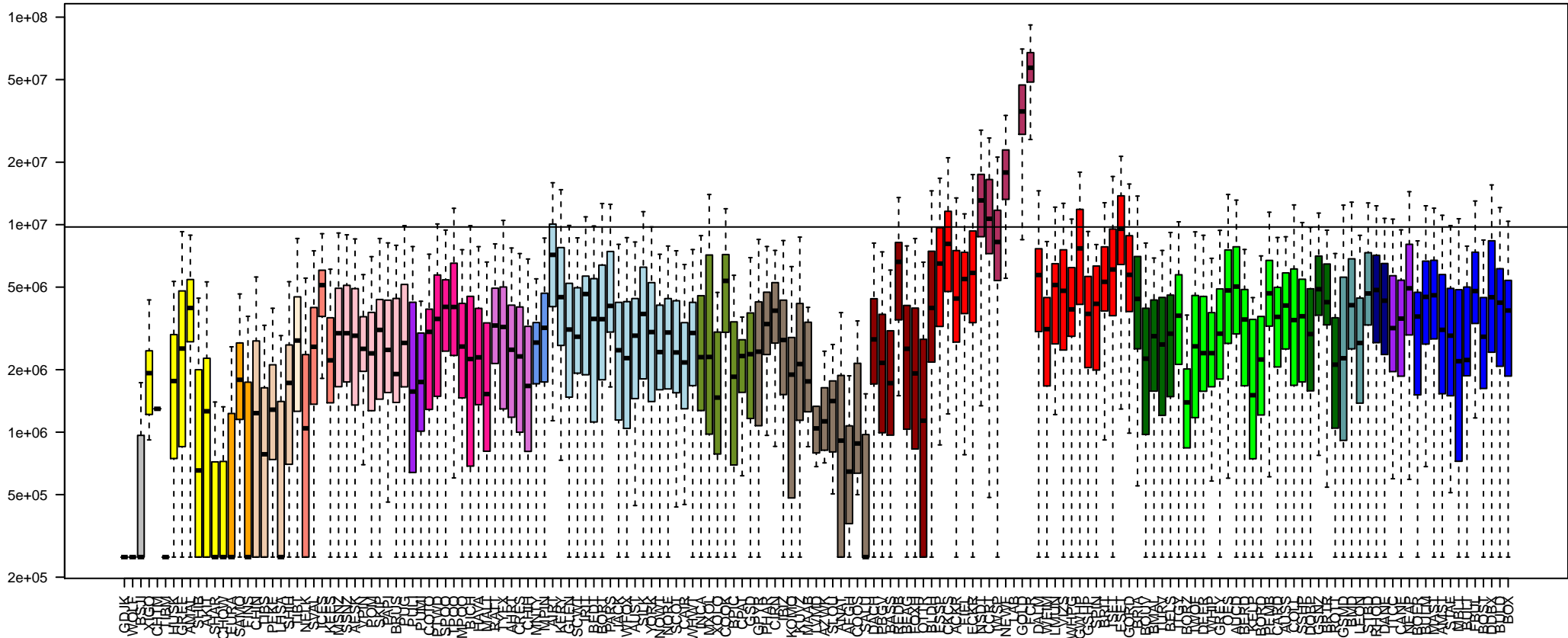
Kelpie



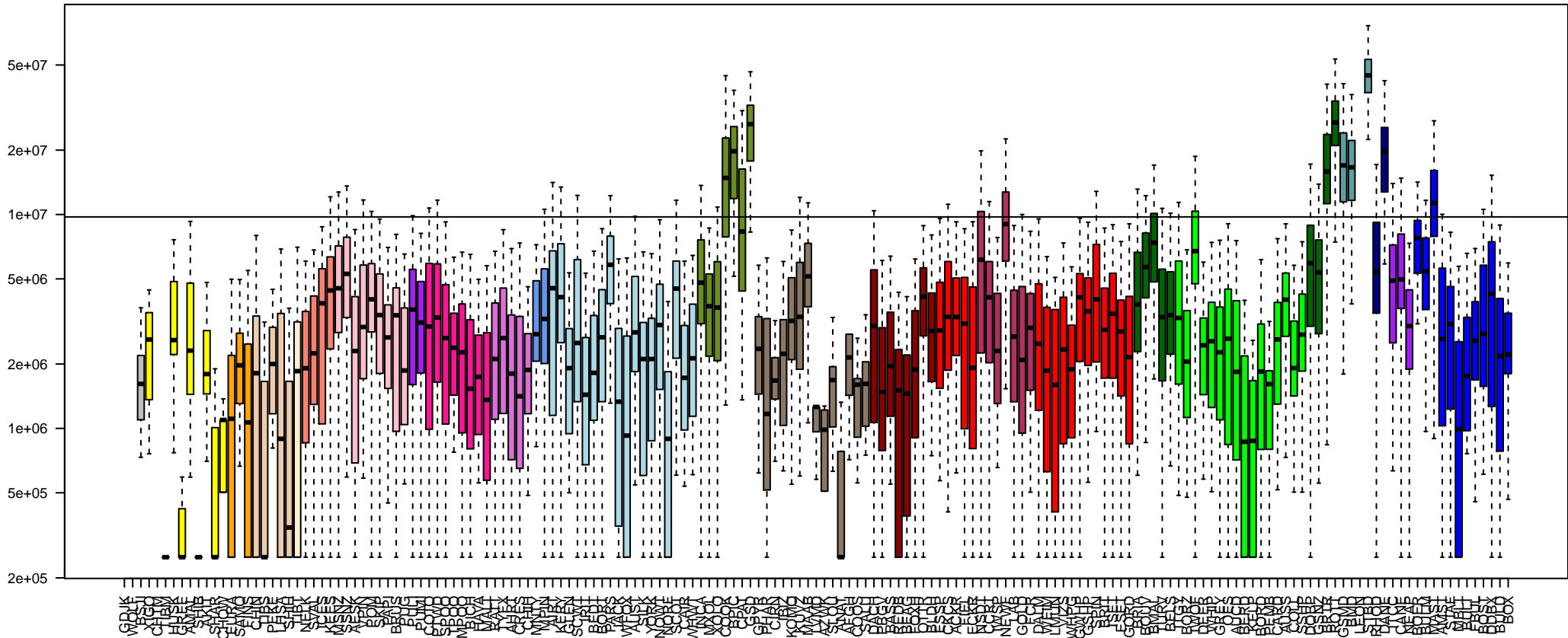
Kerry Blue Terrier



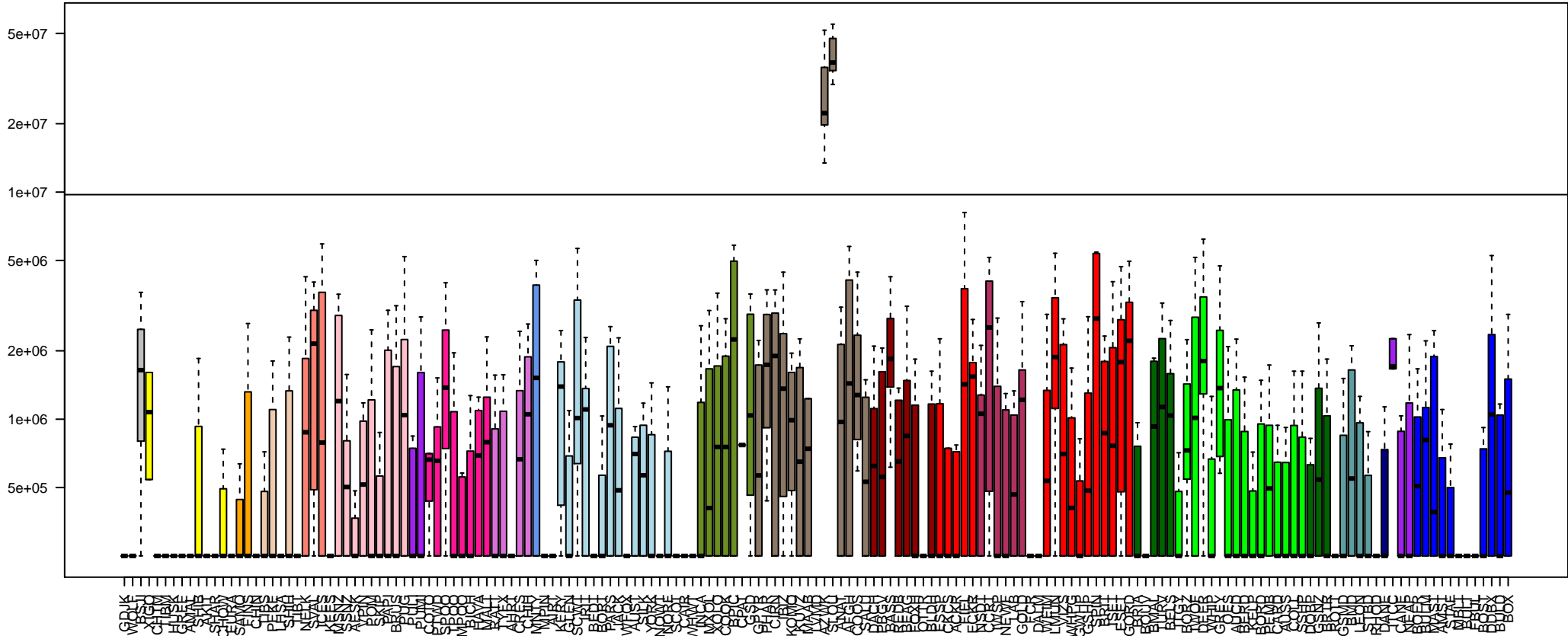
Labrador Retriever



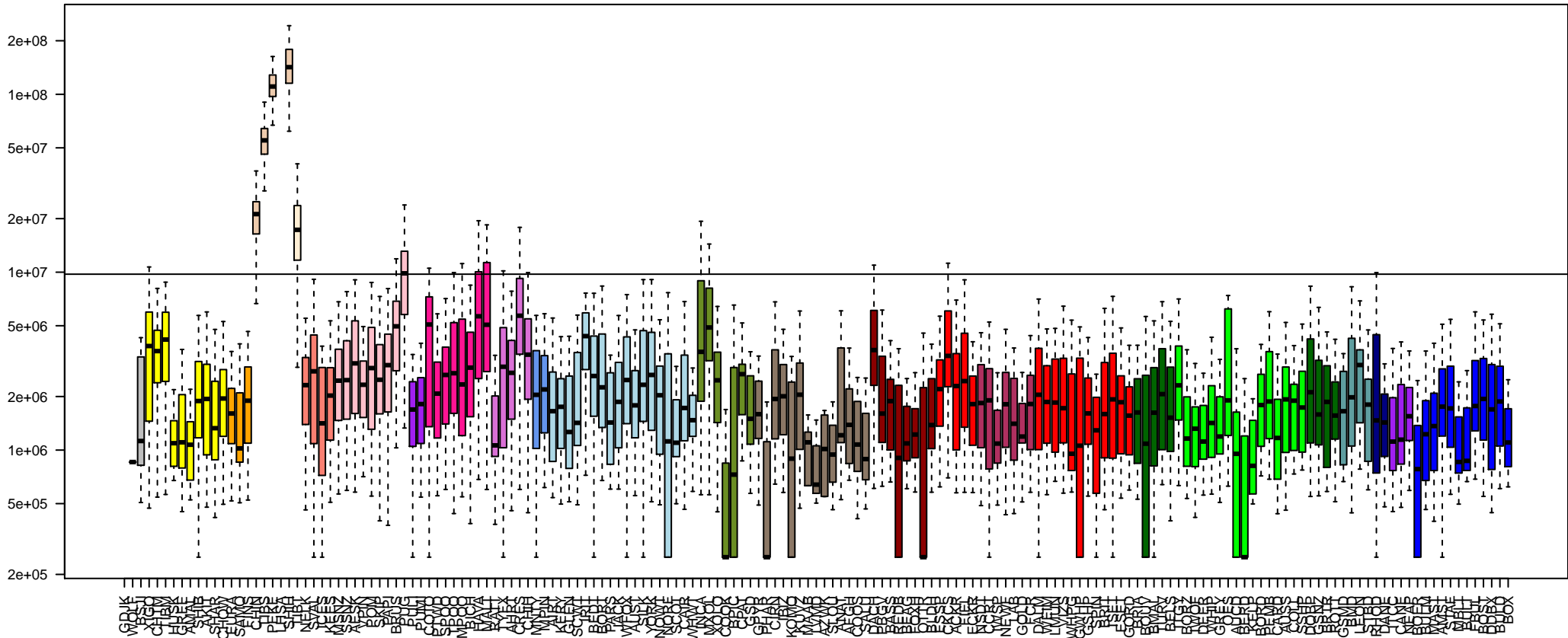
Leonberger



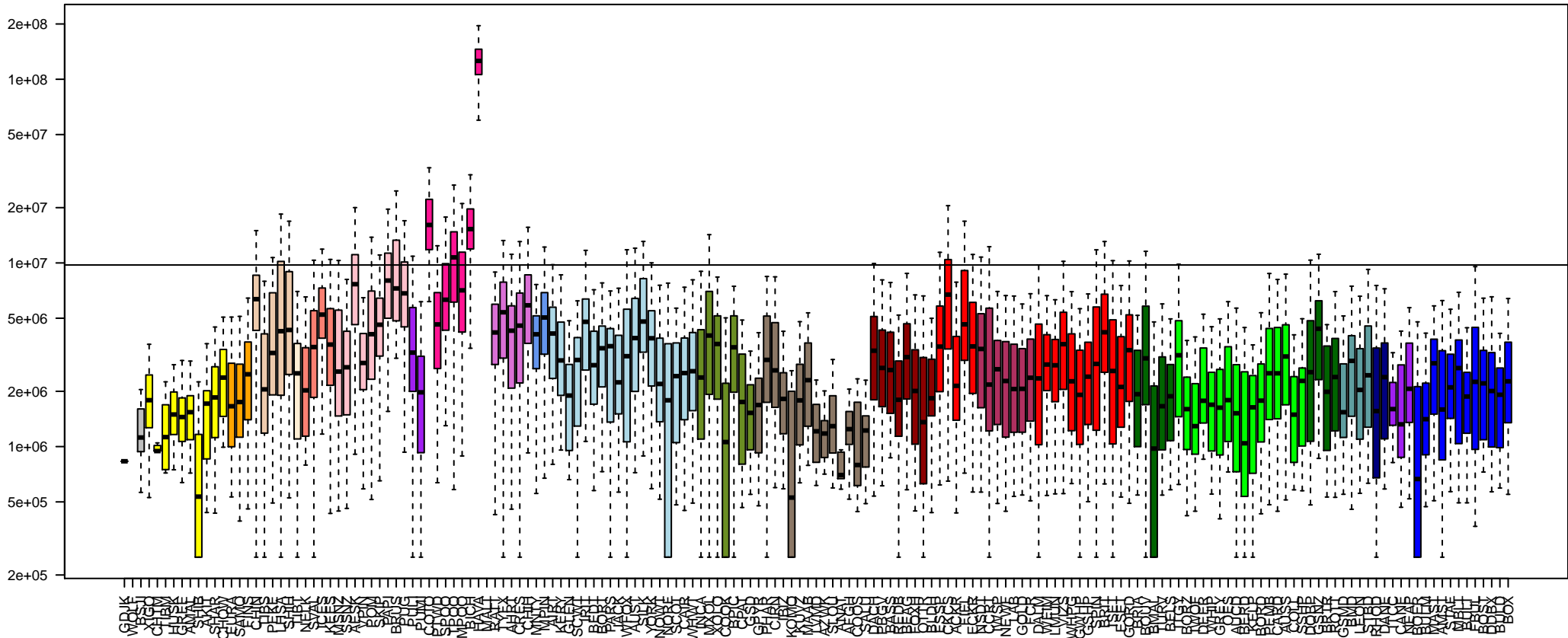
Leviero Meridionale



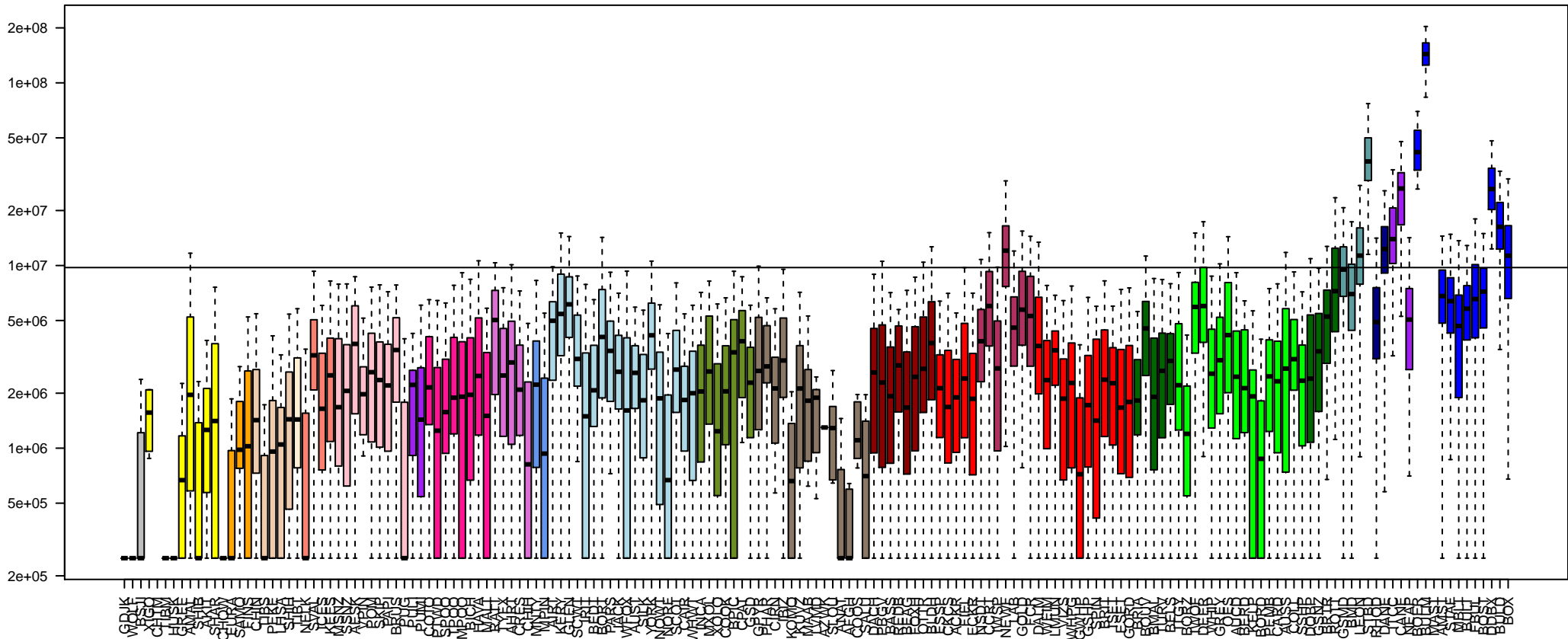
Lhasa Apso



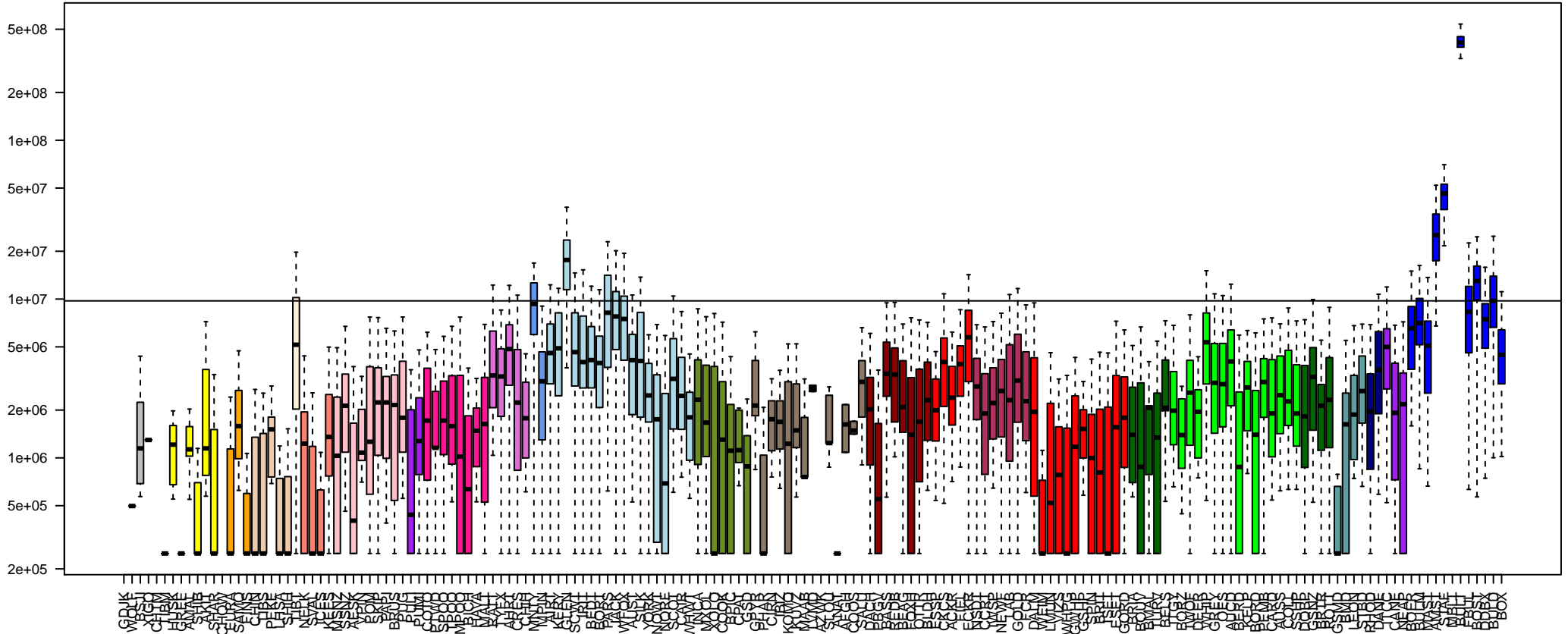
Maltese



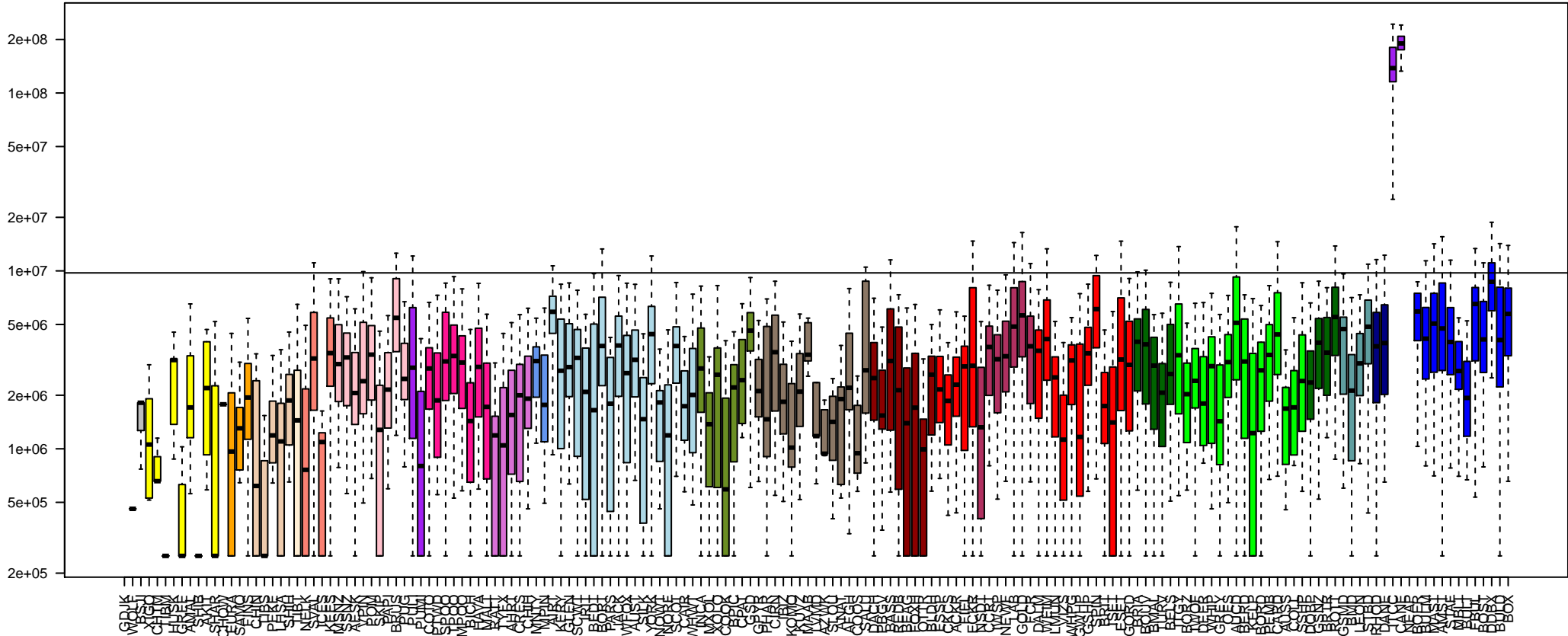
Mastiff



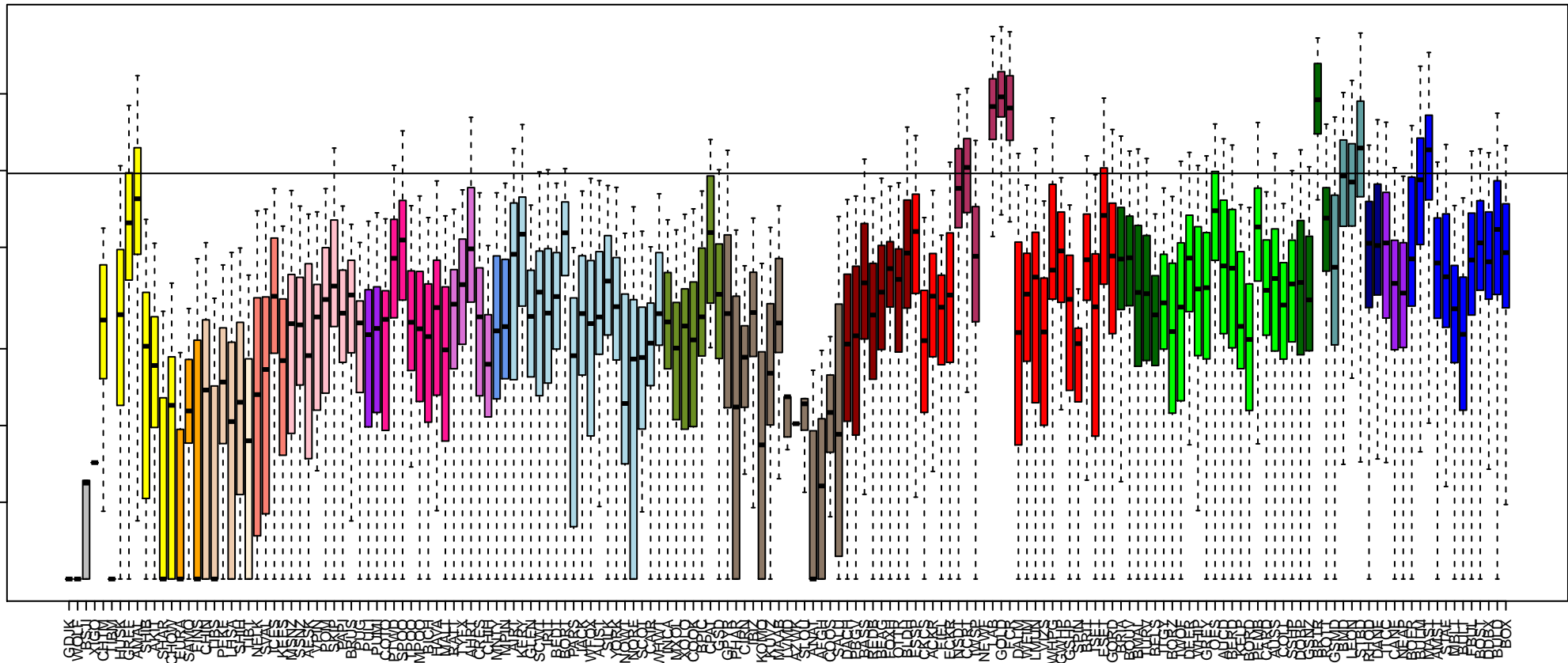
Miniature Bull Terrier



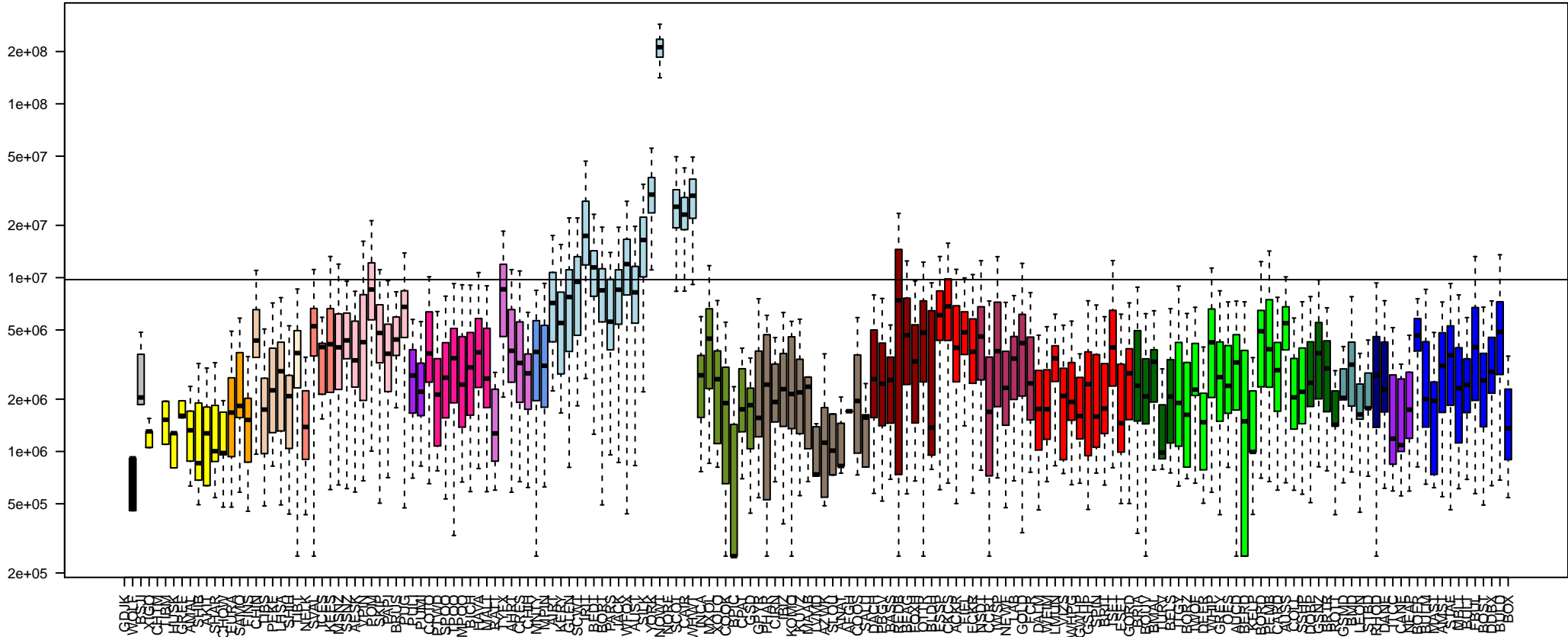
Neapolitan Mastiff



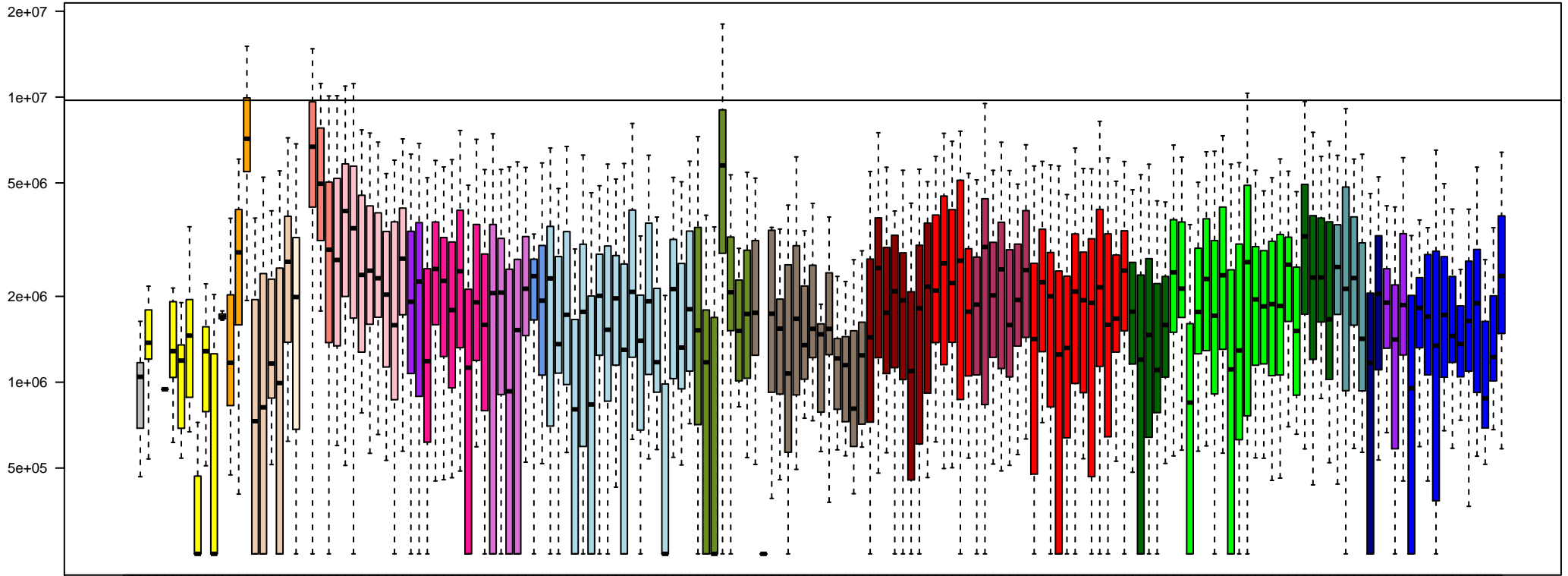
Newfoundland



Norfolk Terrier

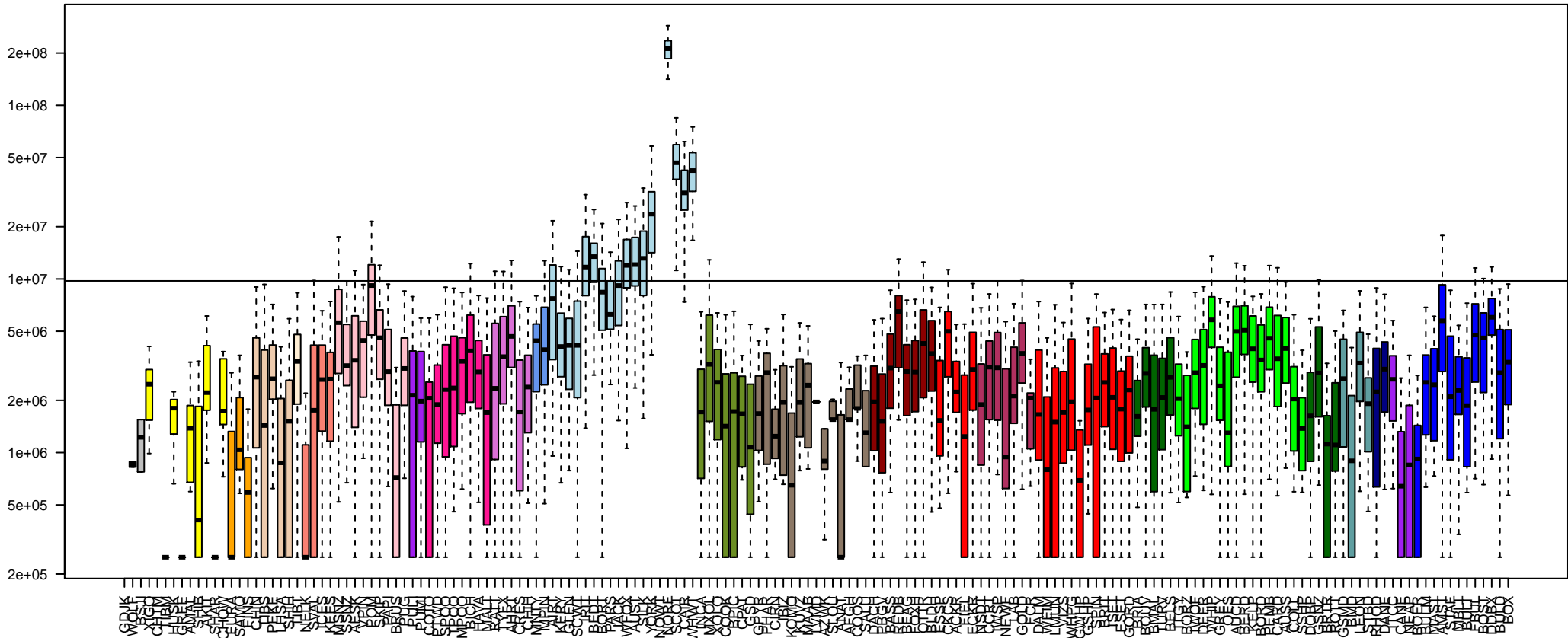


Norwegian Elkhound

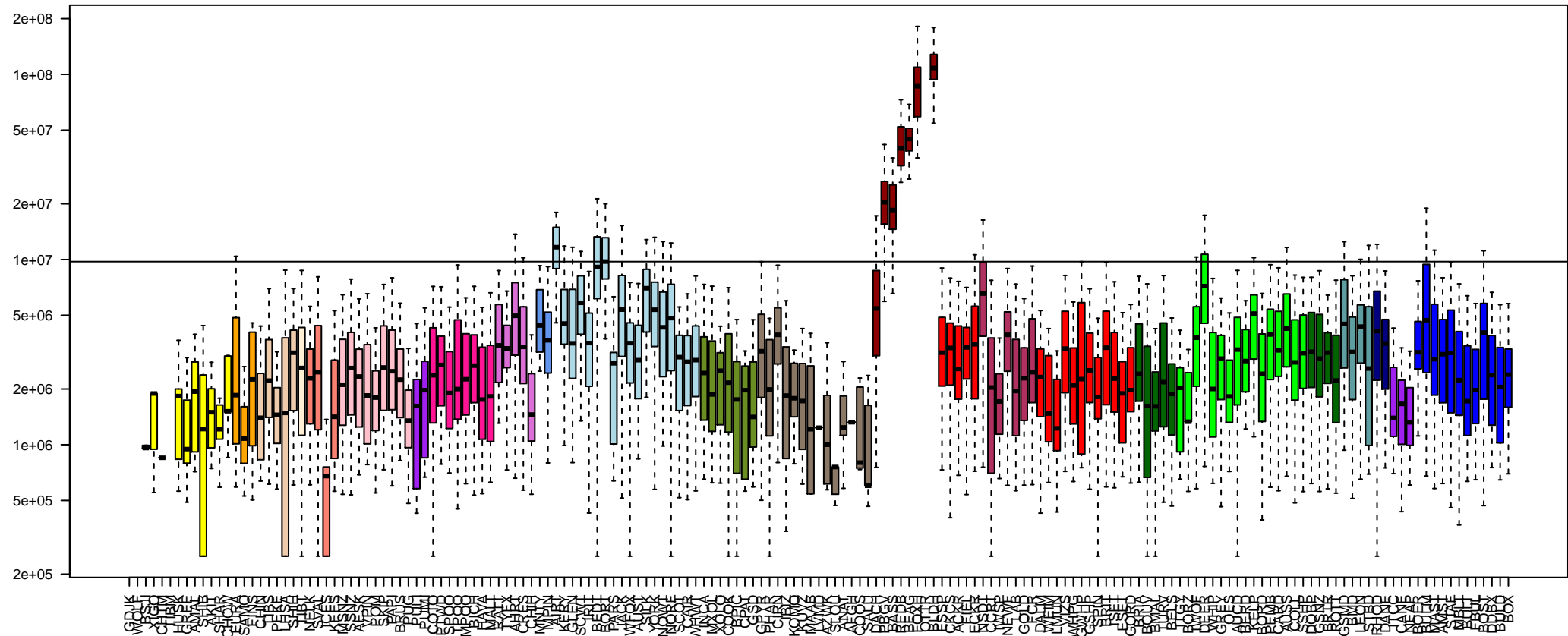


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

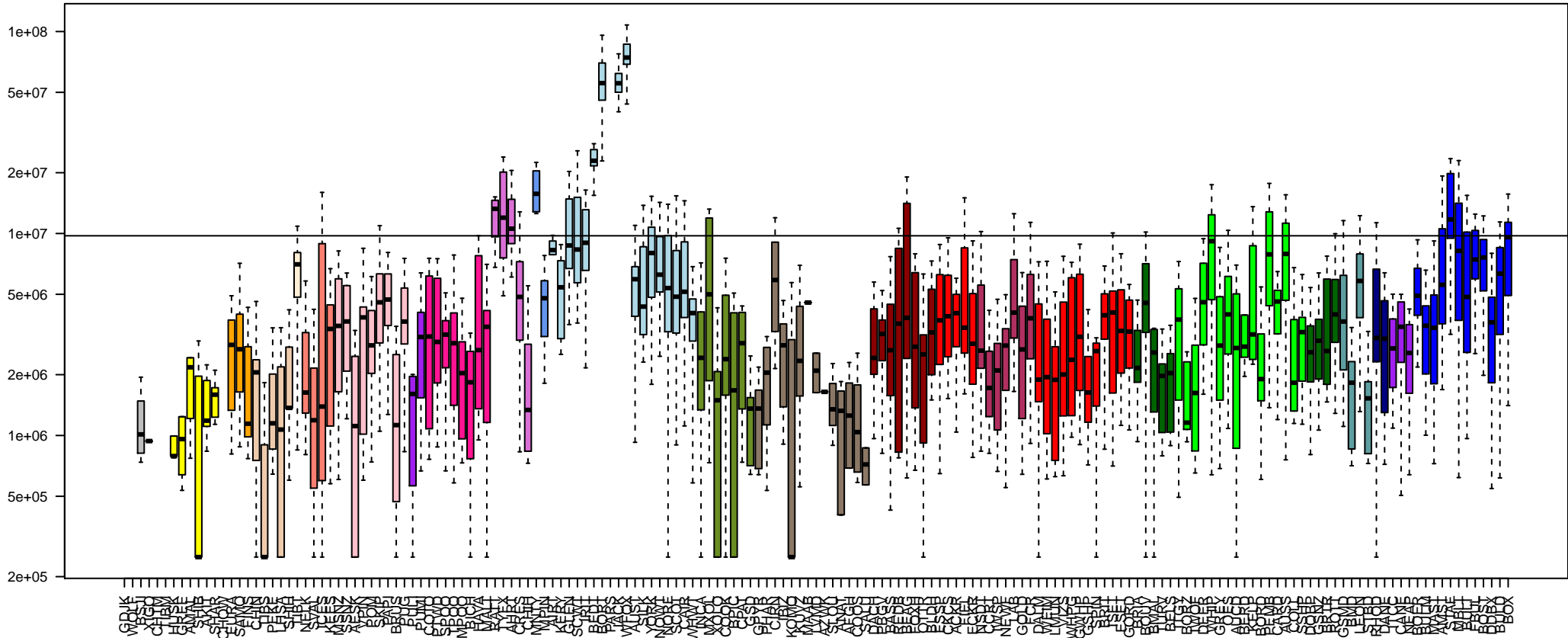
Norwich Terrier



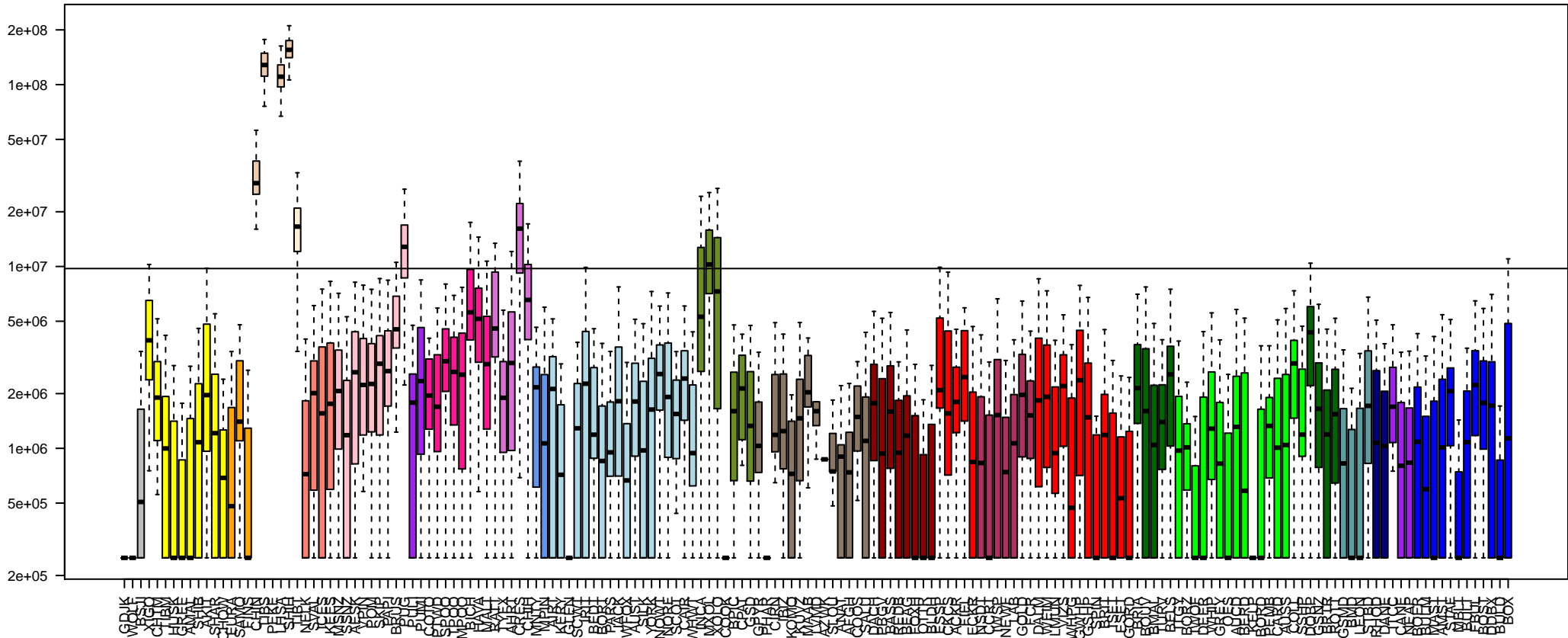
Otterhound



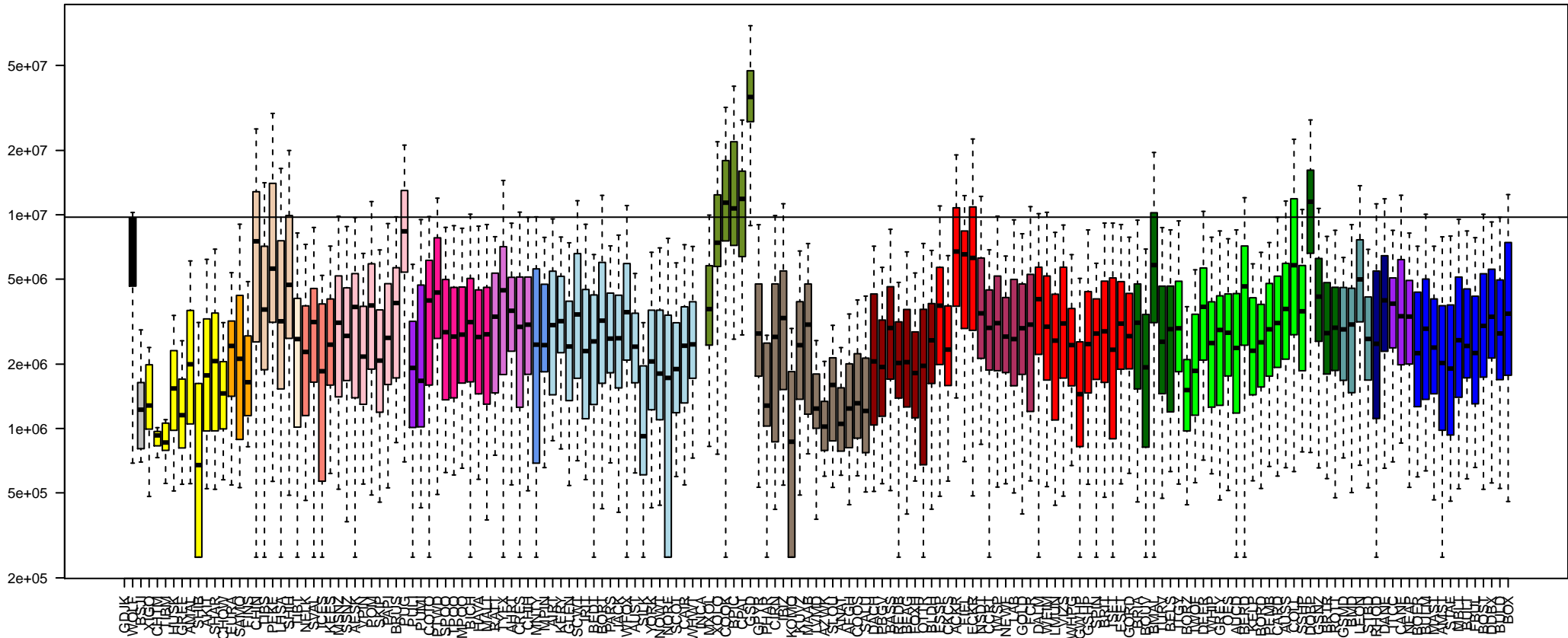
Parson Russell Terrier



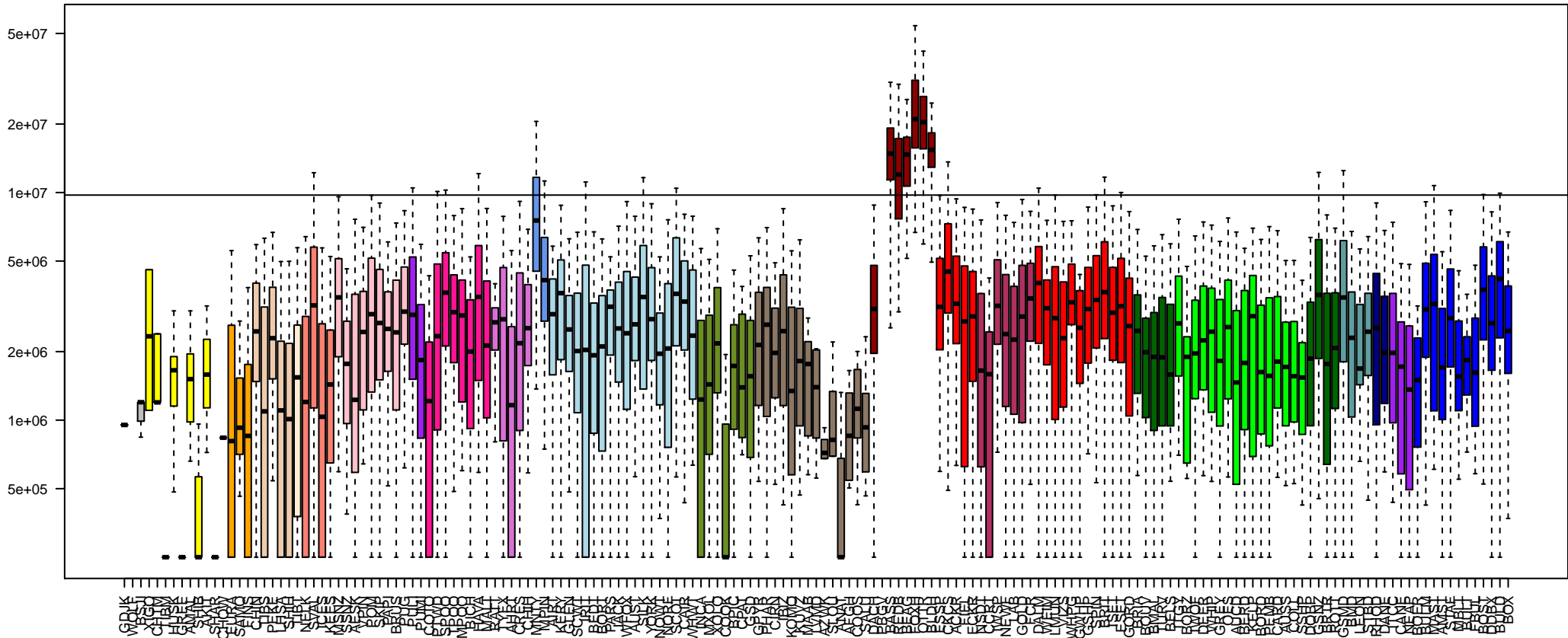
Pekingese



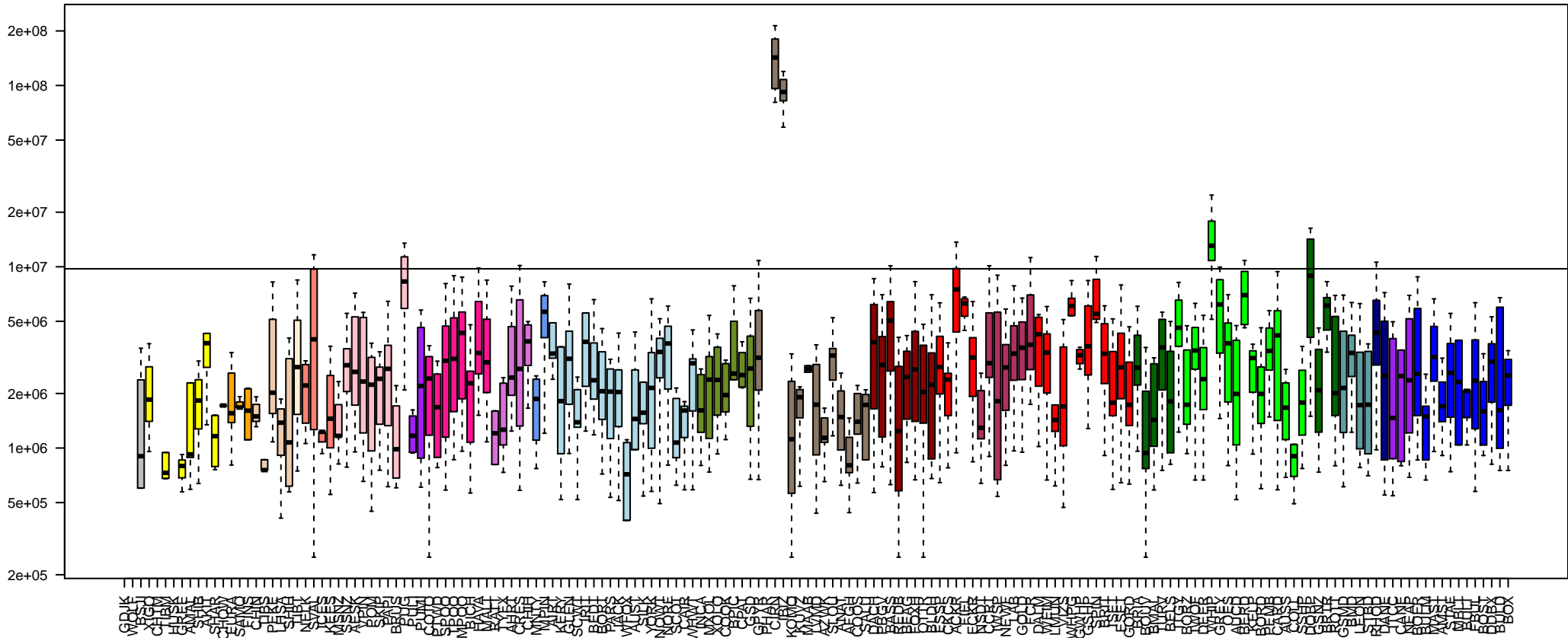
Peruvian Hairless Dog



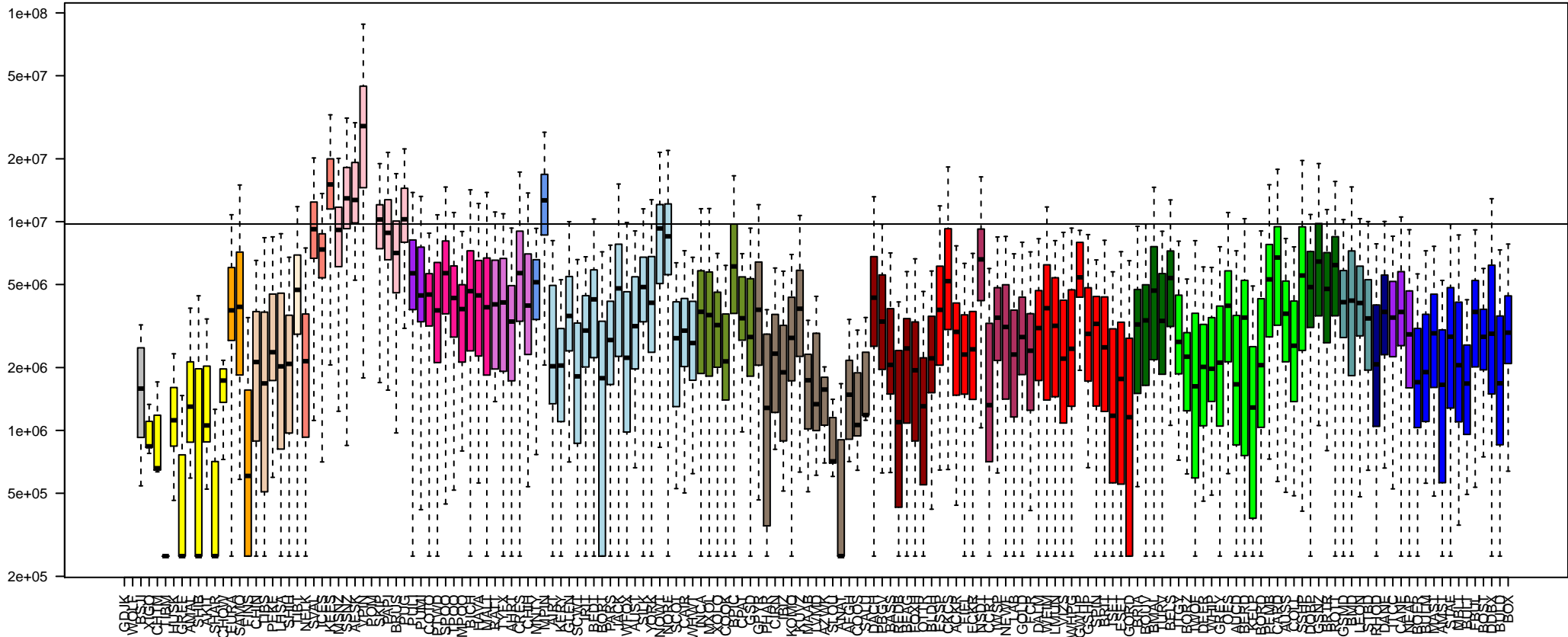
Petit Basset Griffon Vendéen



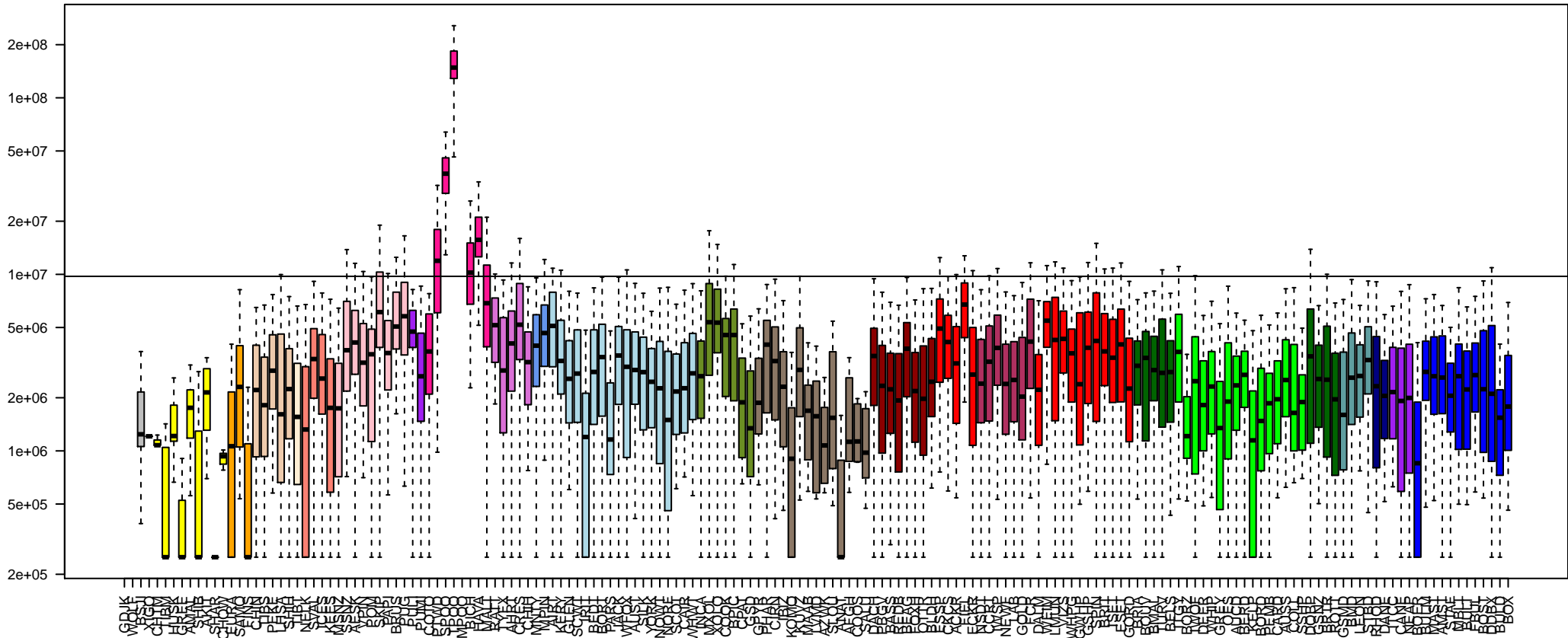
Pharaoh Hound



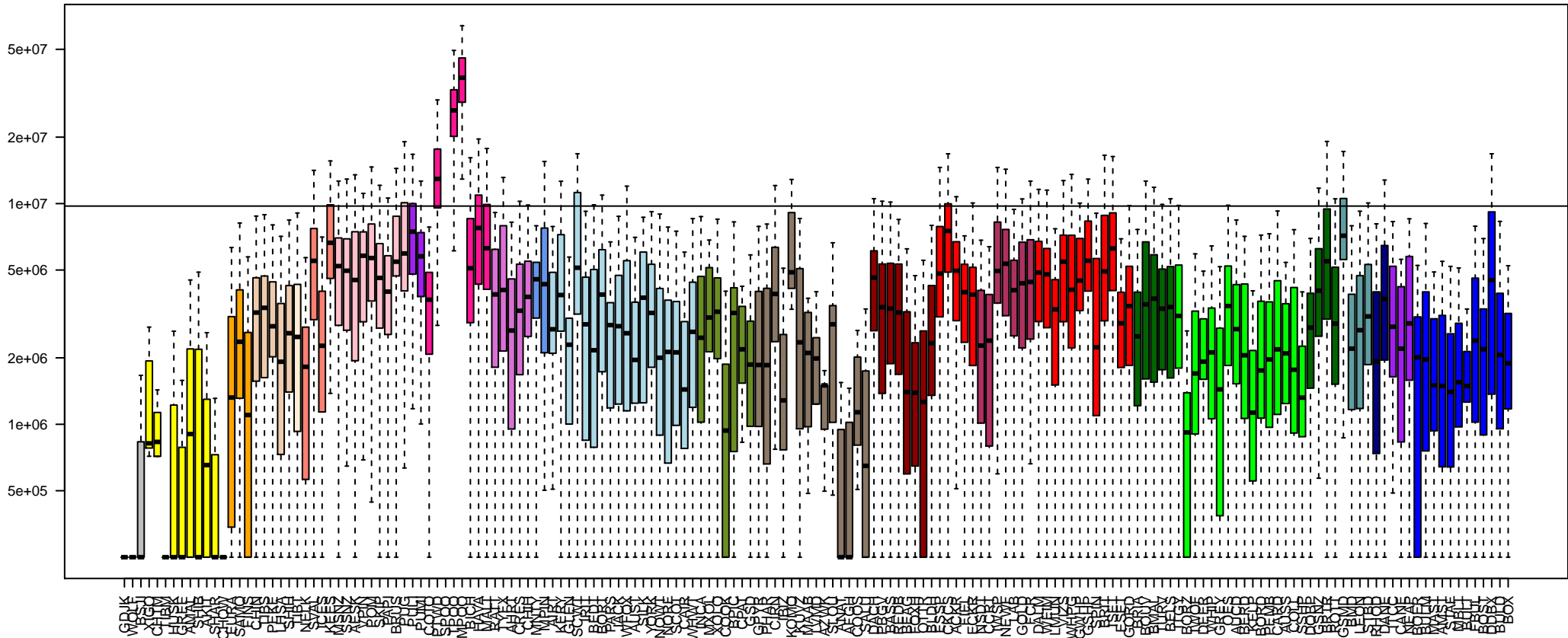
Pomeranian



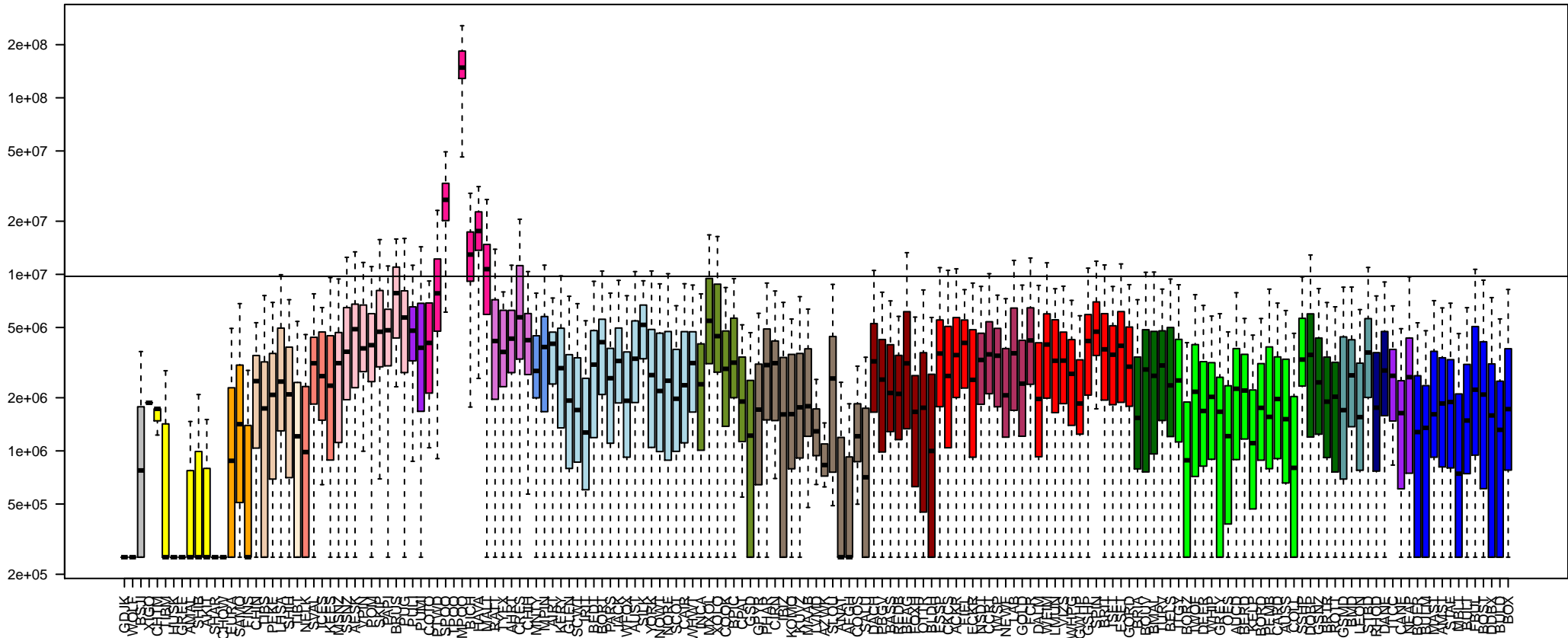
Miniature Poodle



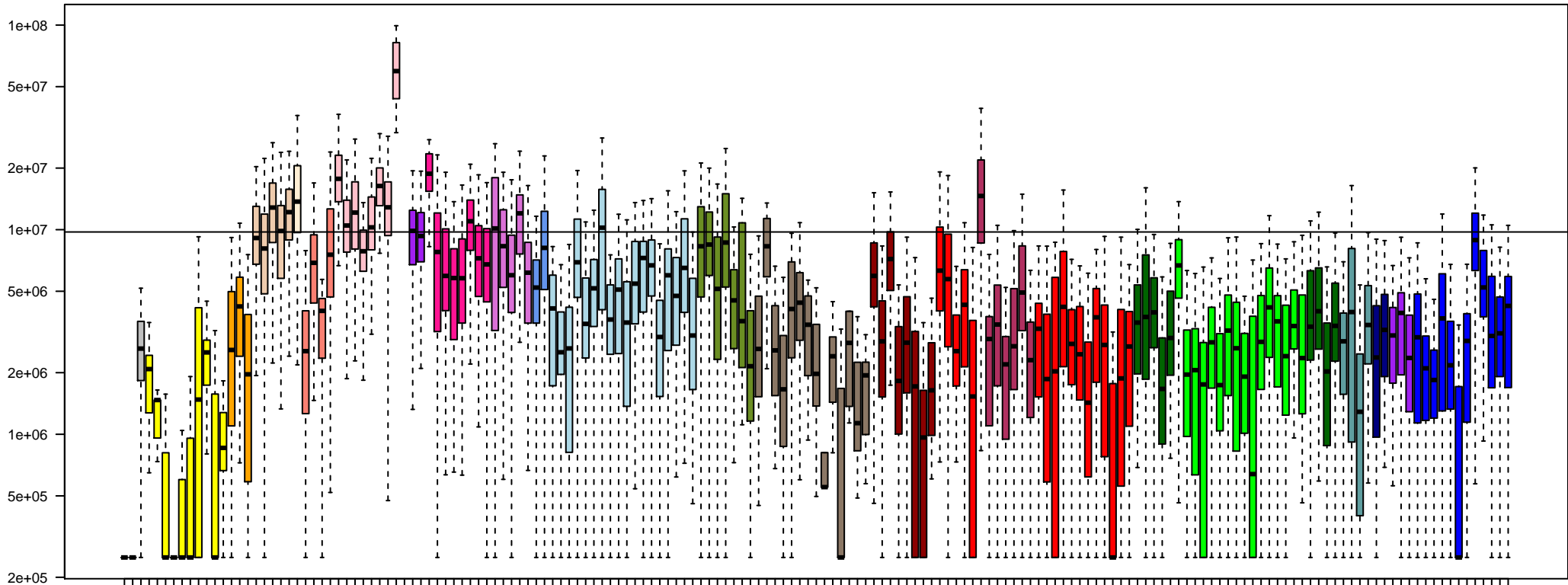
Standard Poodle



Toy Poodle

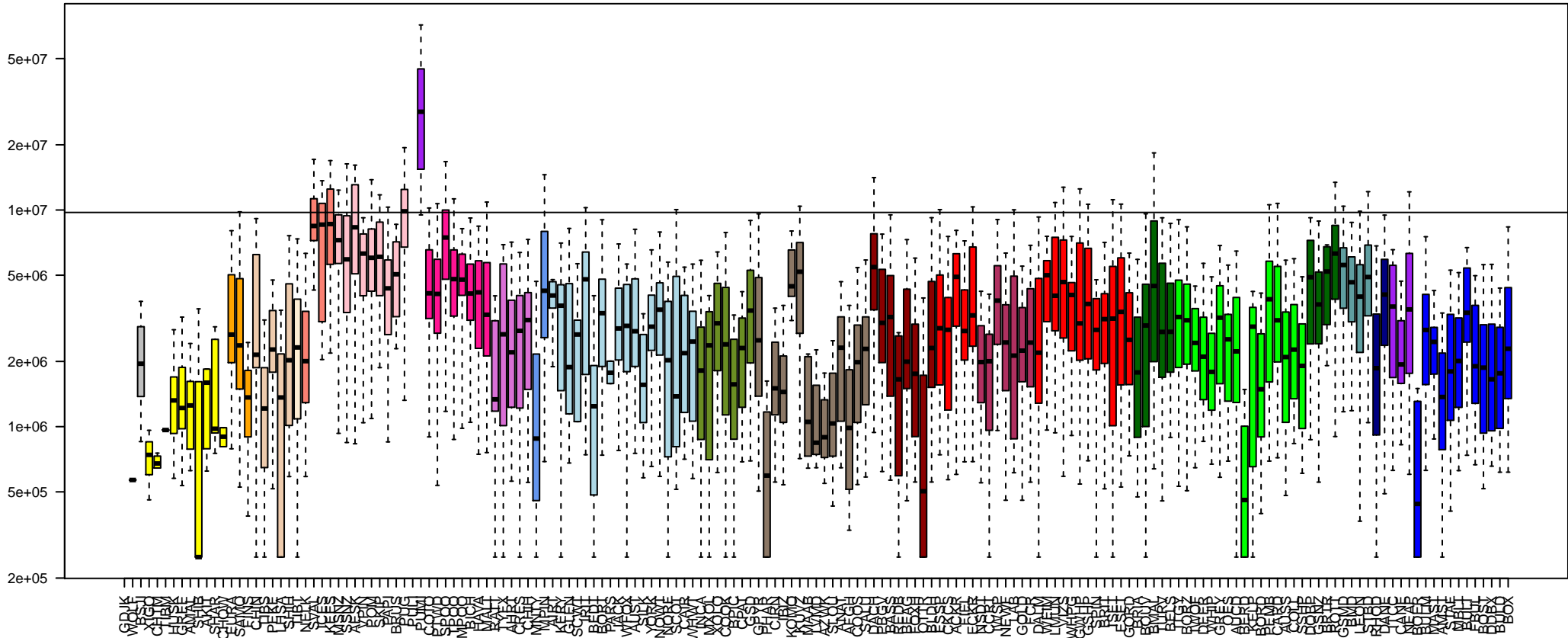


Pug Dog

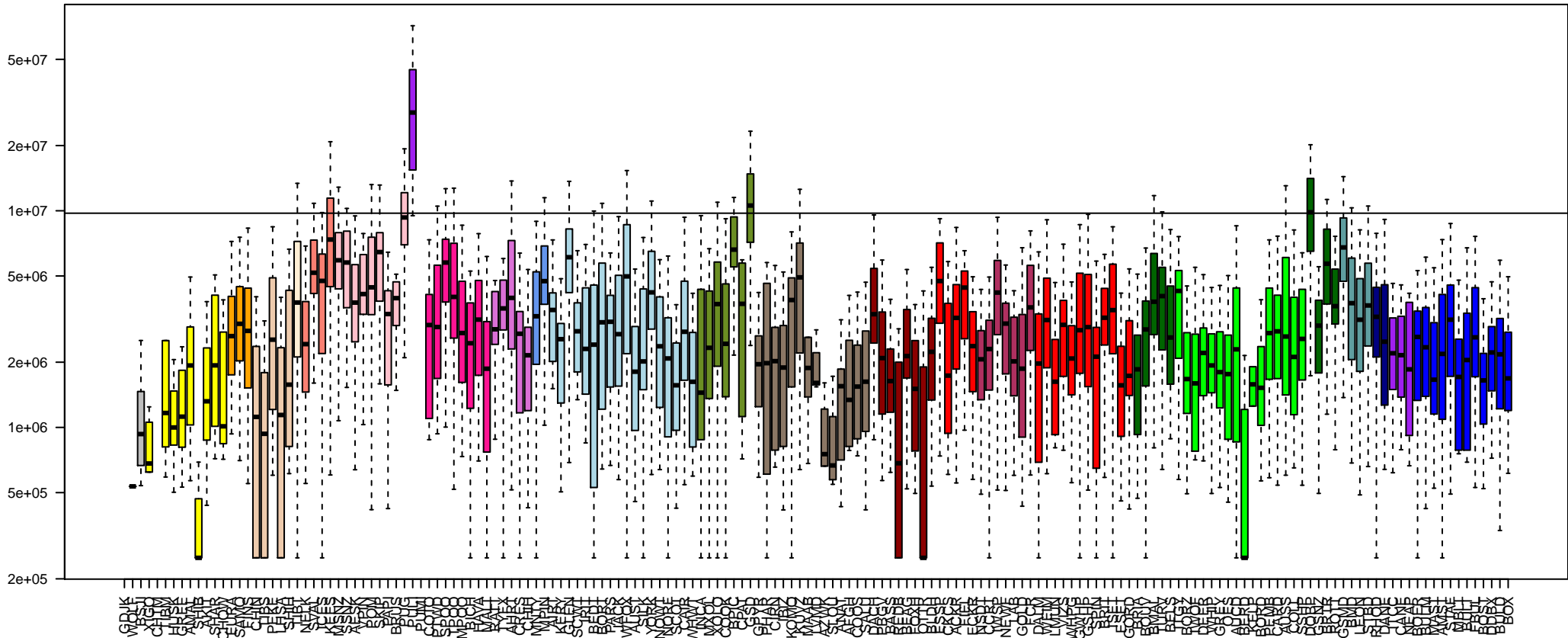


100 categories of data, each represented by a small, illegible text label on the x-axis.

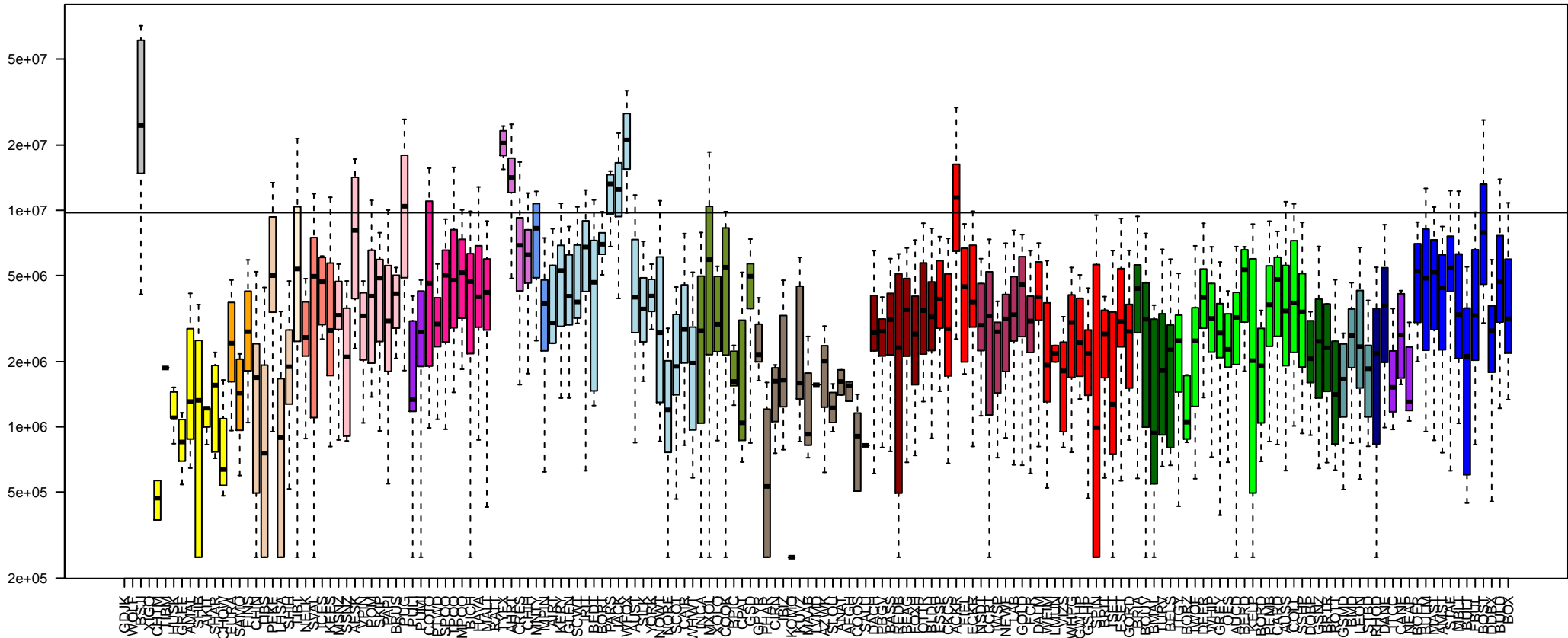
Puli



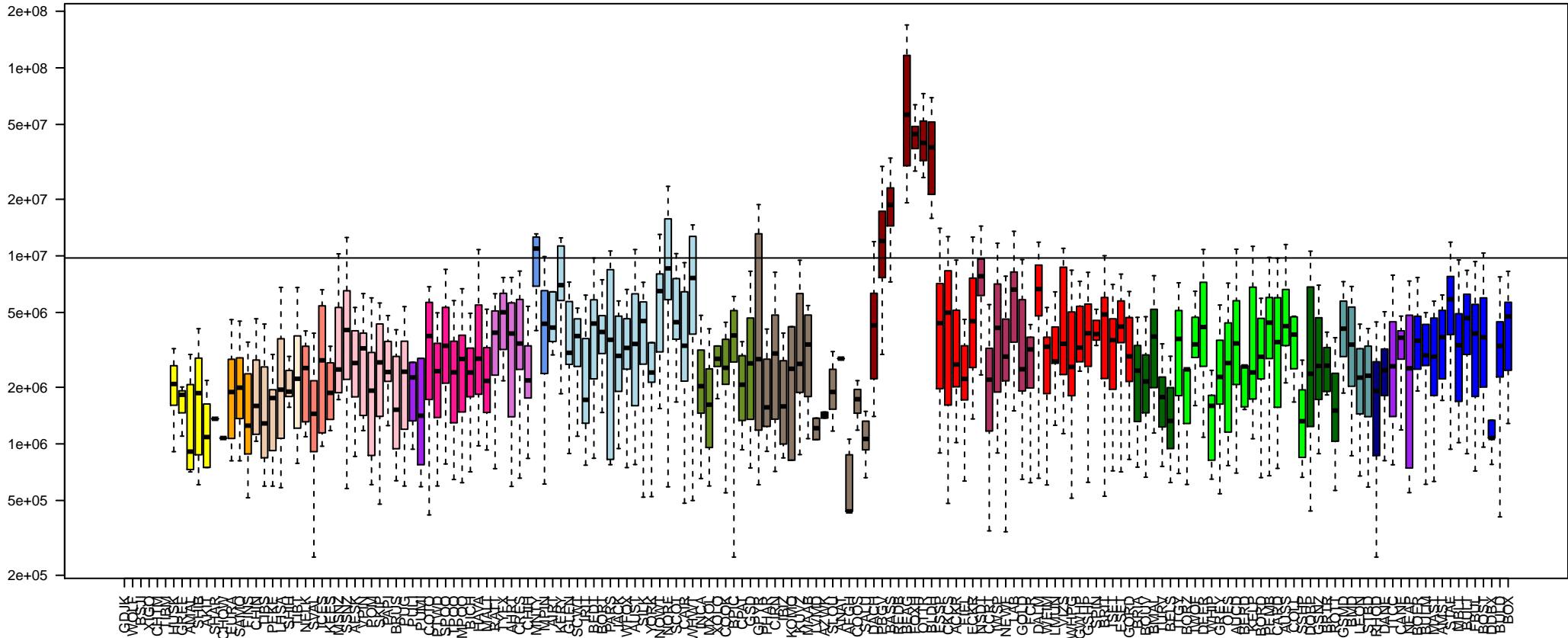
Pumi



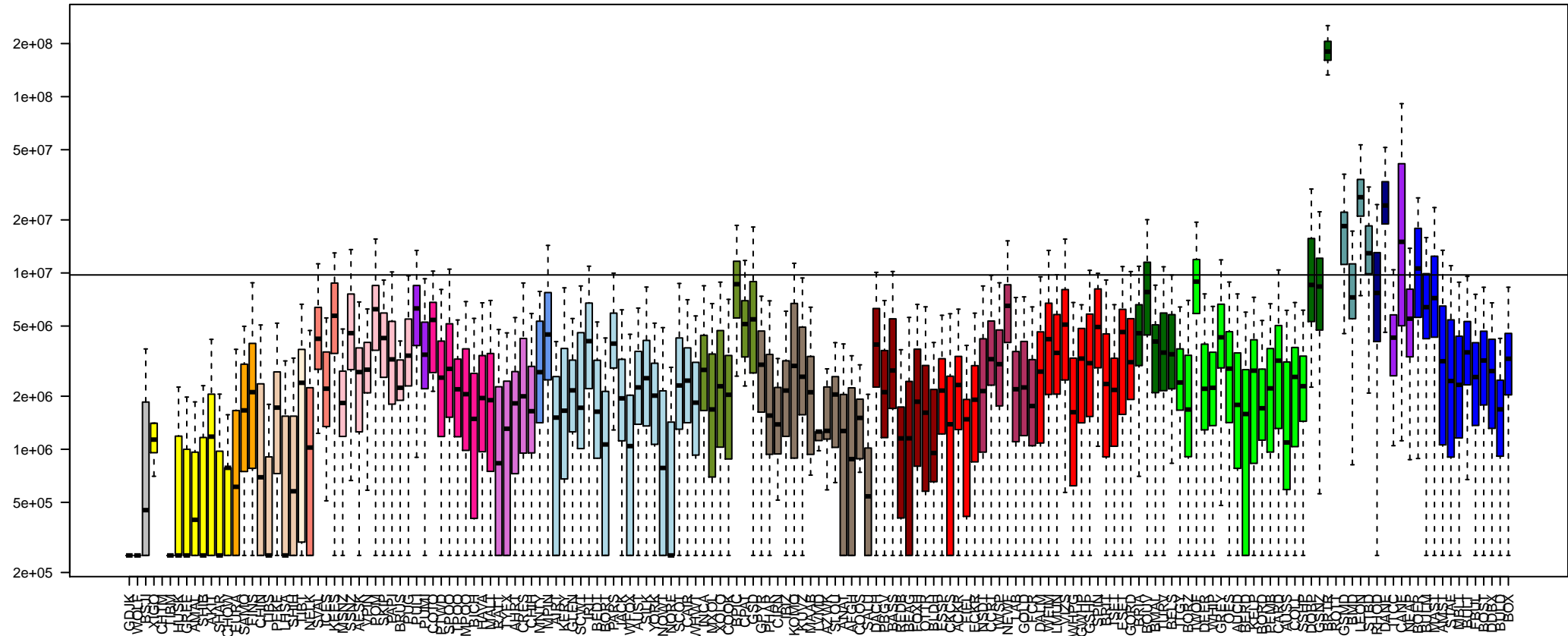
Rat Terrier



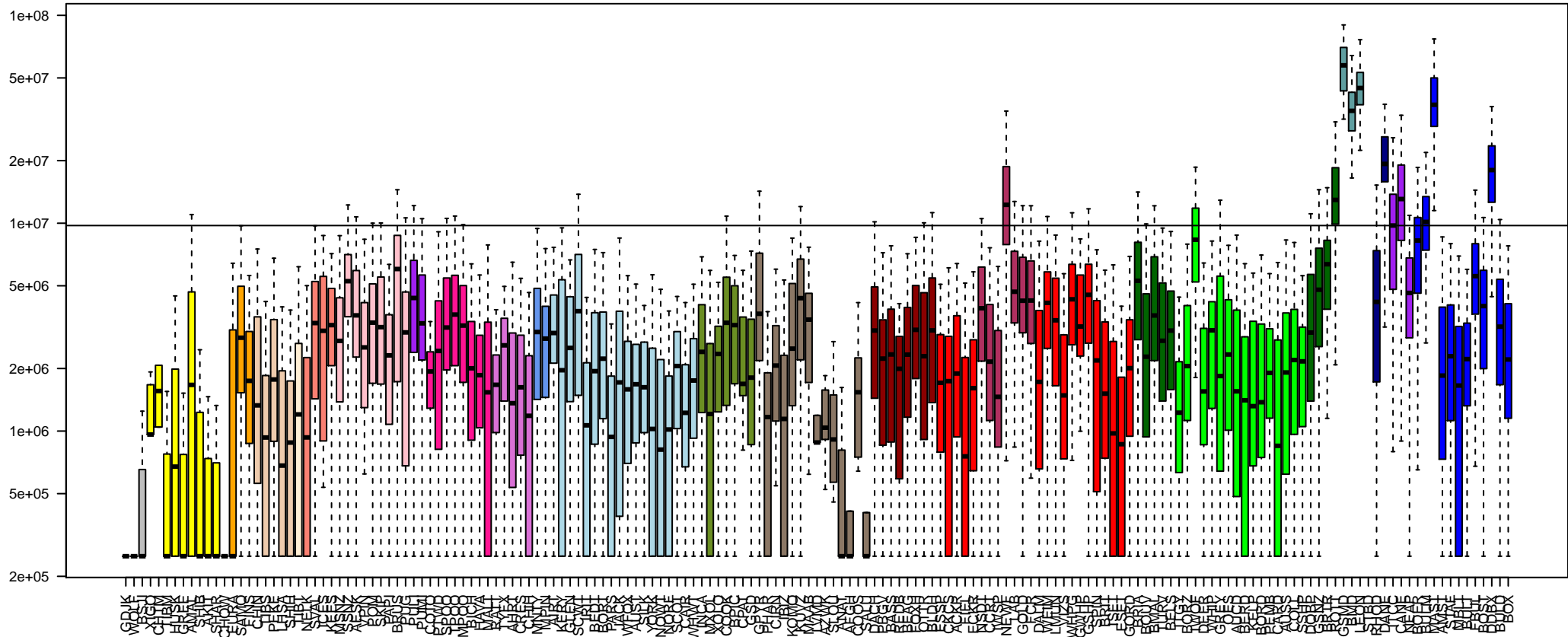
Redbone Coonhound



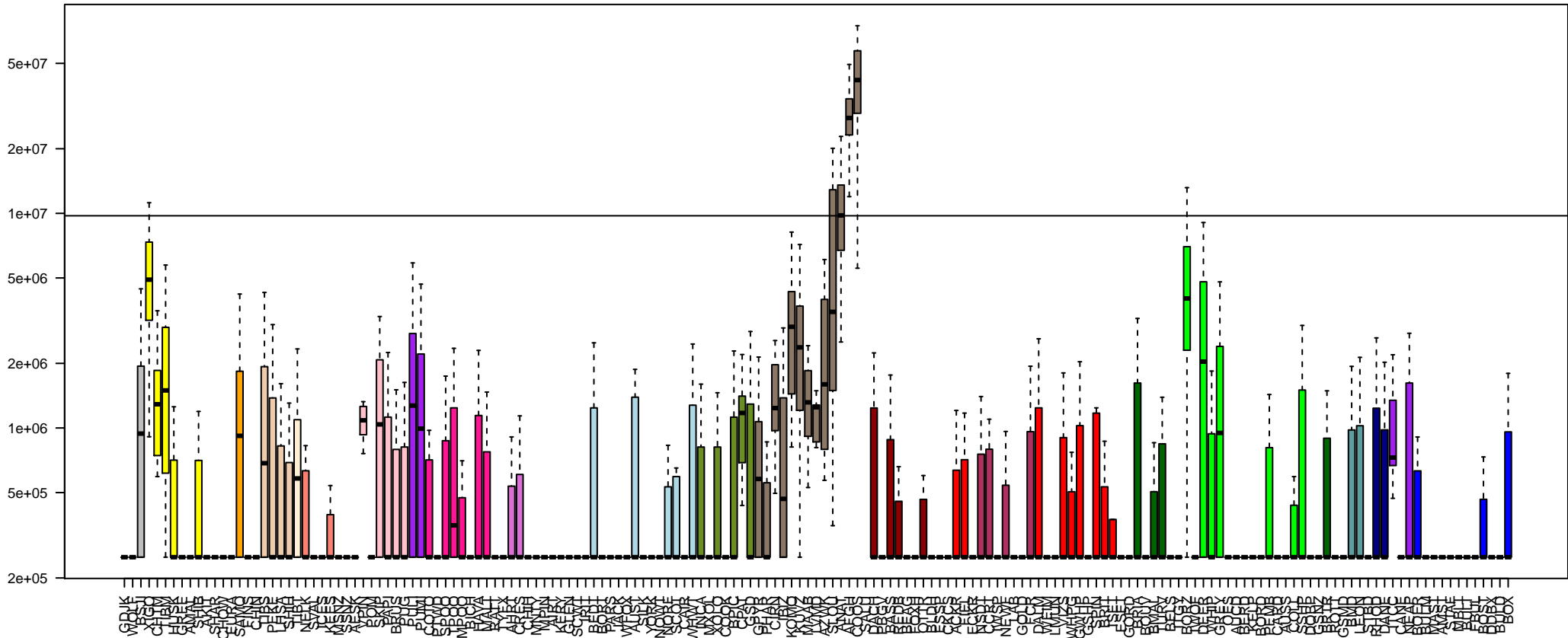
Rottweiler



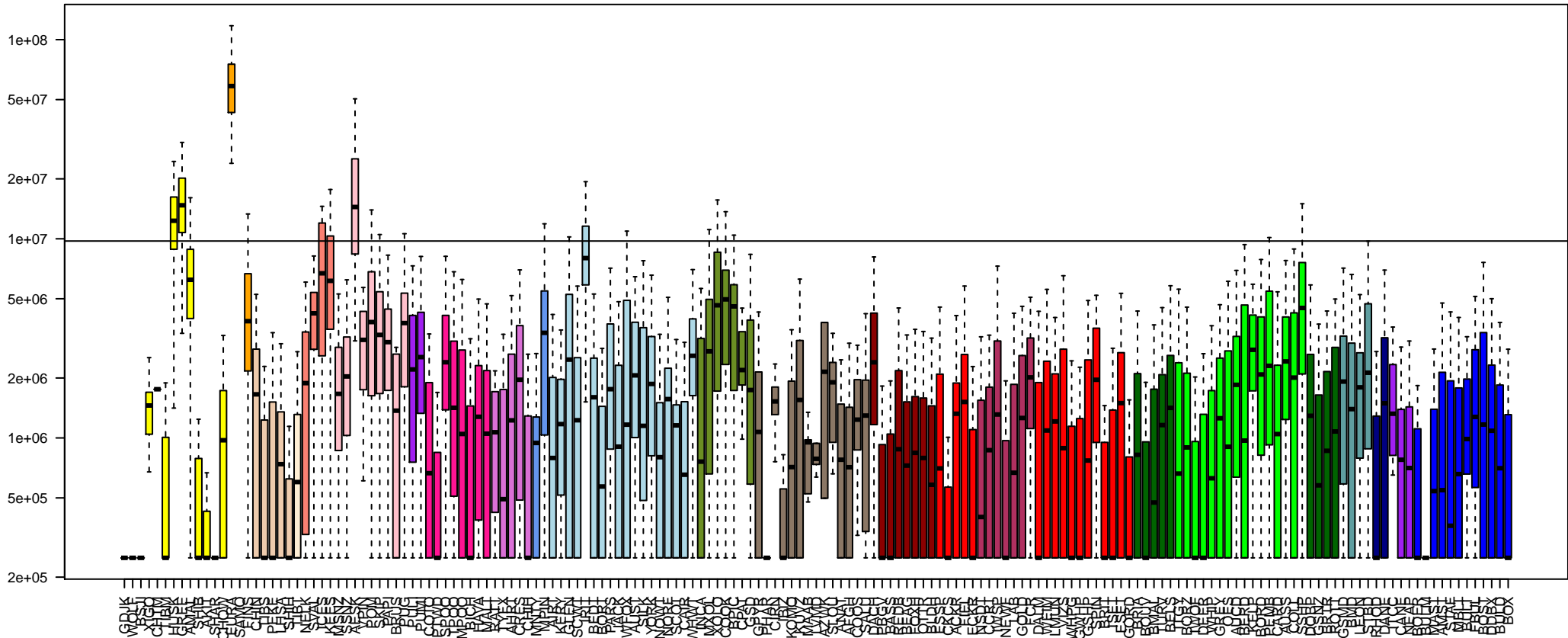
Saint Bernard



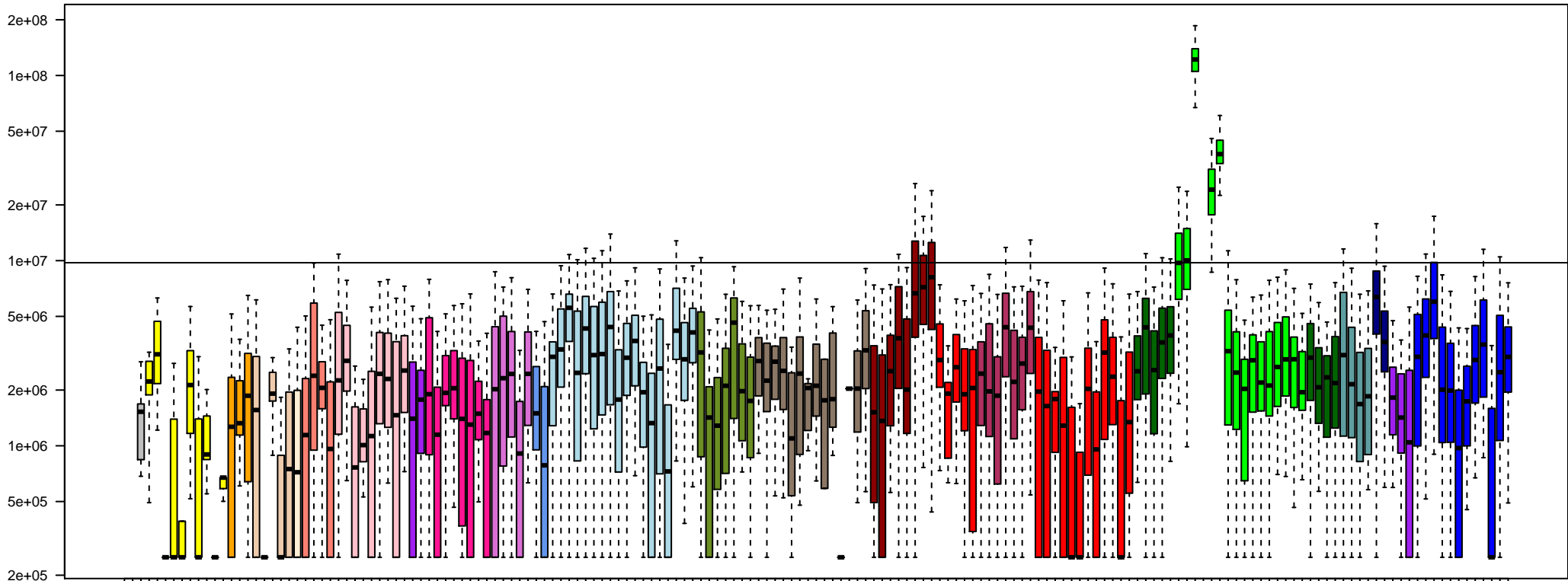
Saluki - North American



Samoyed

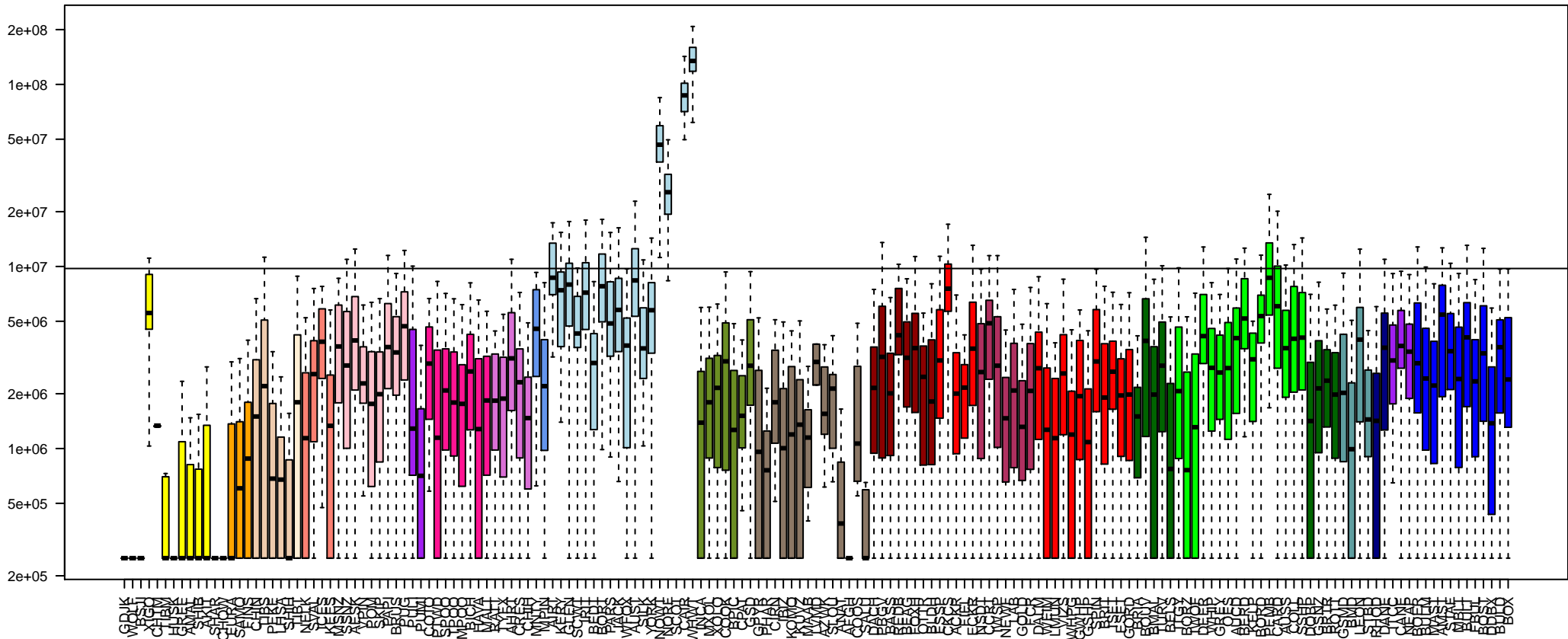


Scottish Deerhound

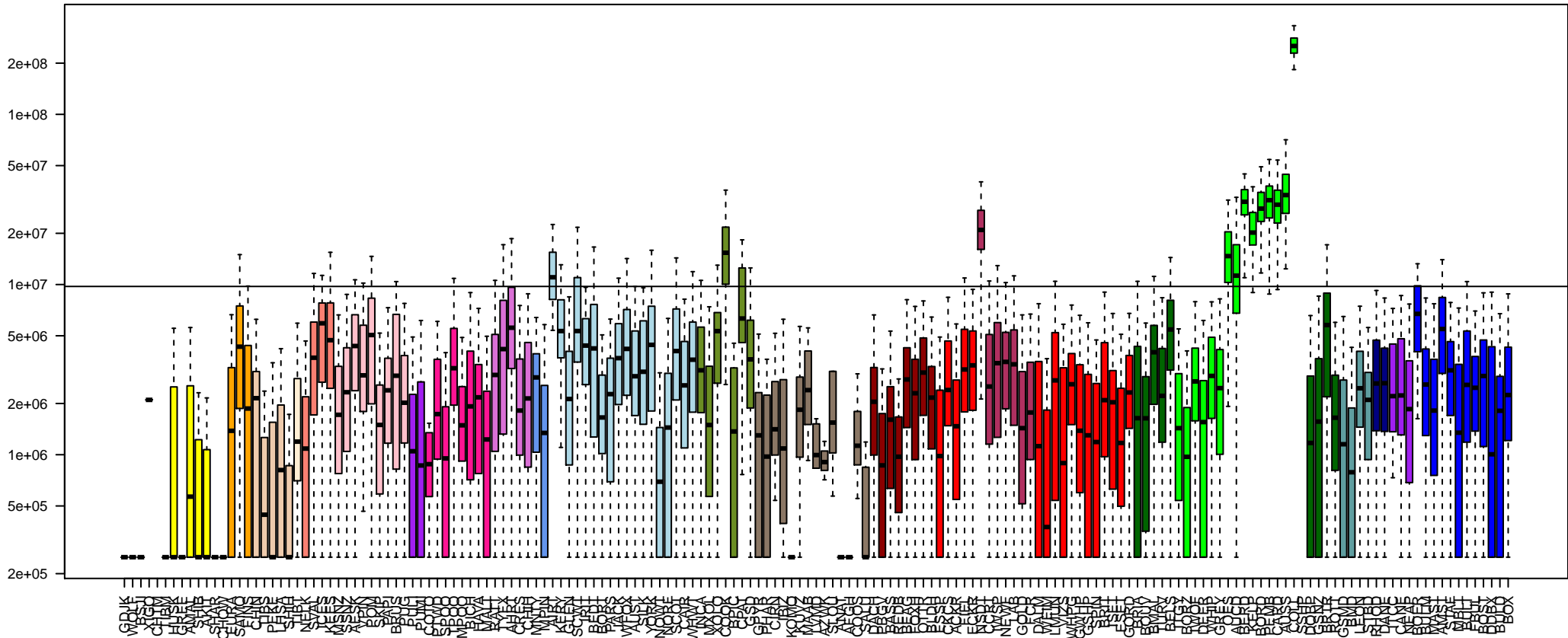


Small, rotated text labels along the x-axis, likely representing individual categories or samples.

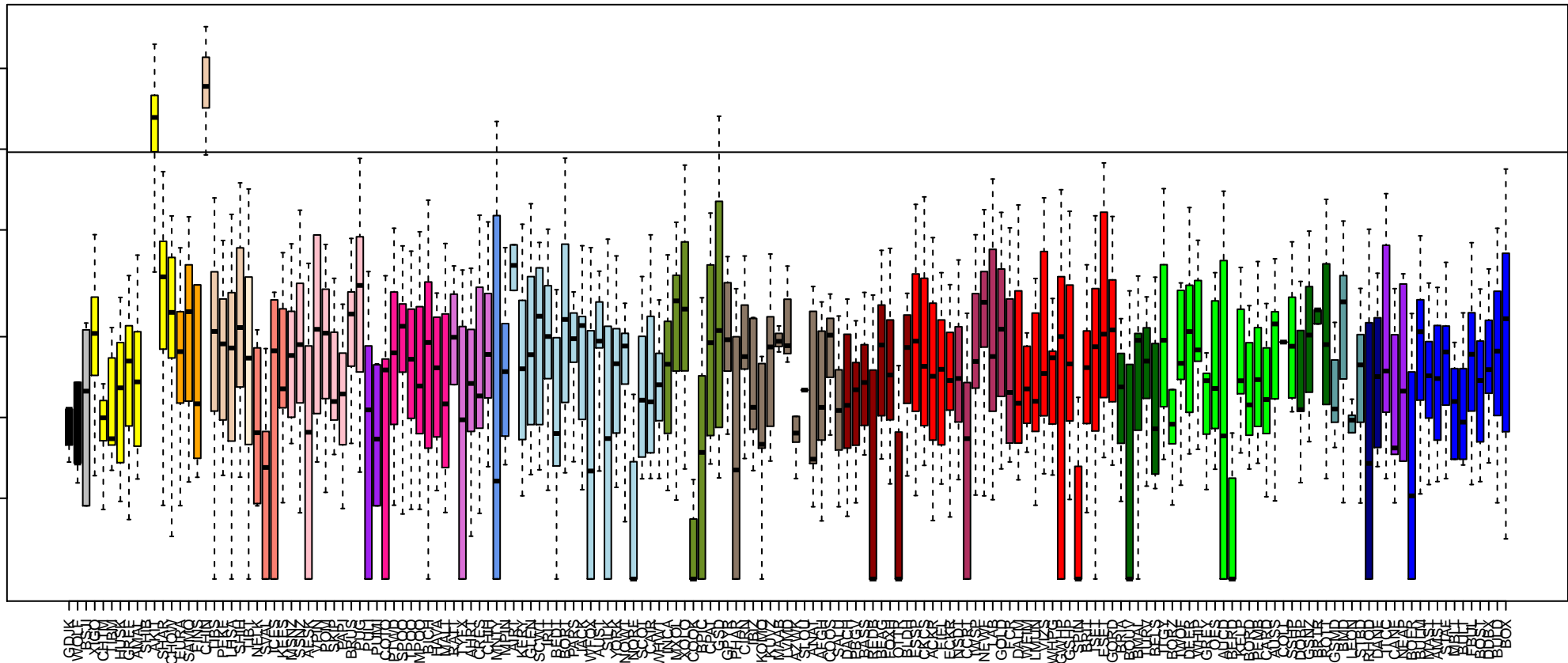
Scottish Terrier



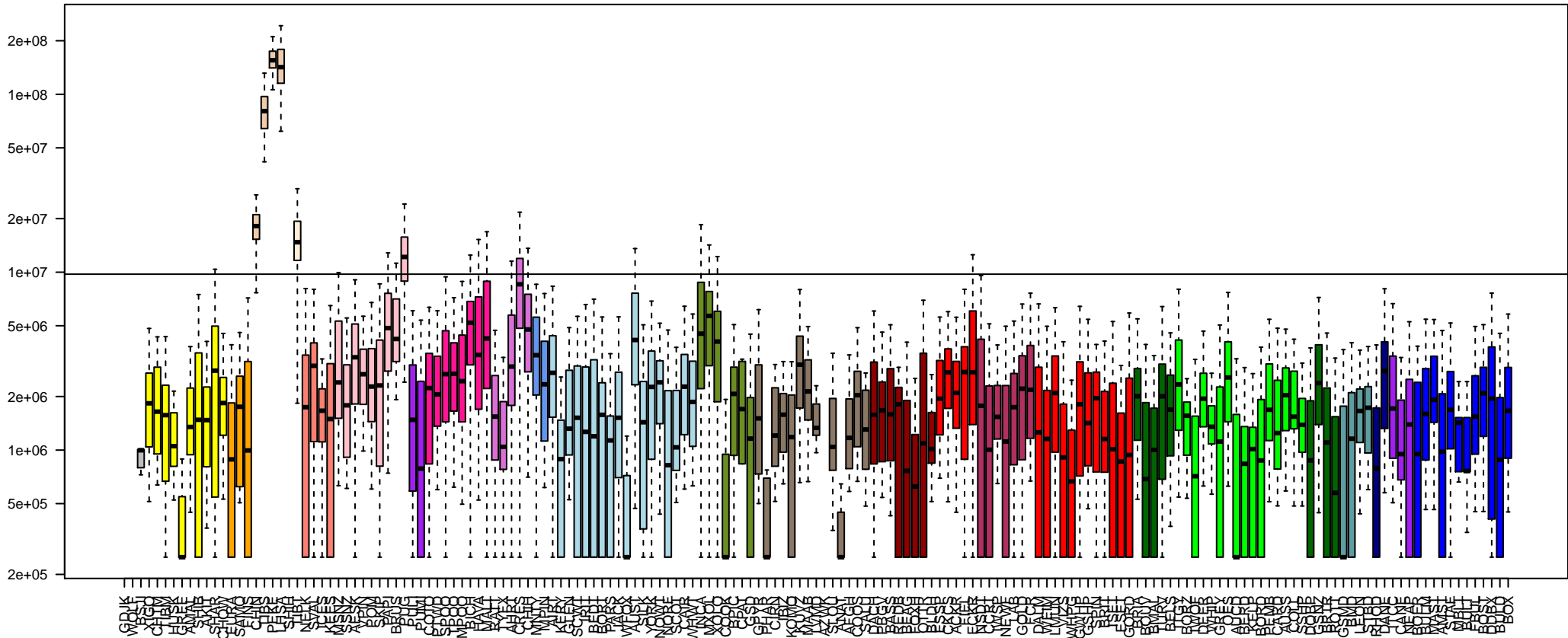
Shetland Sheepdog



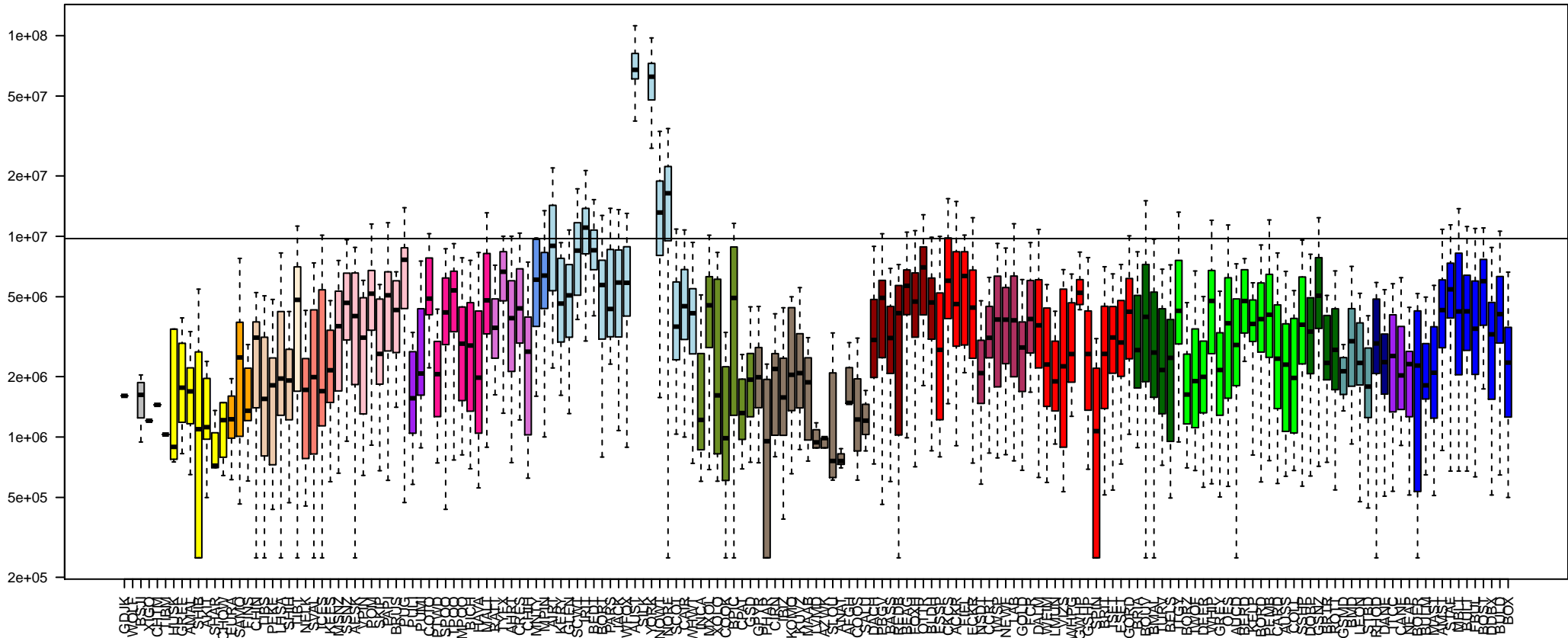
Shiba Inu



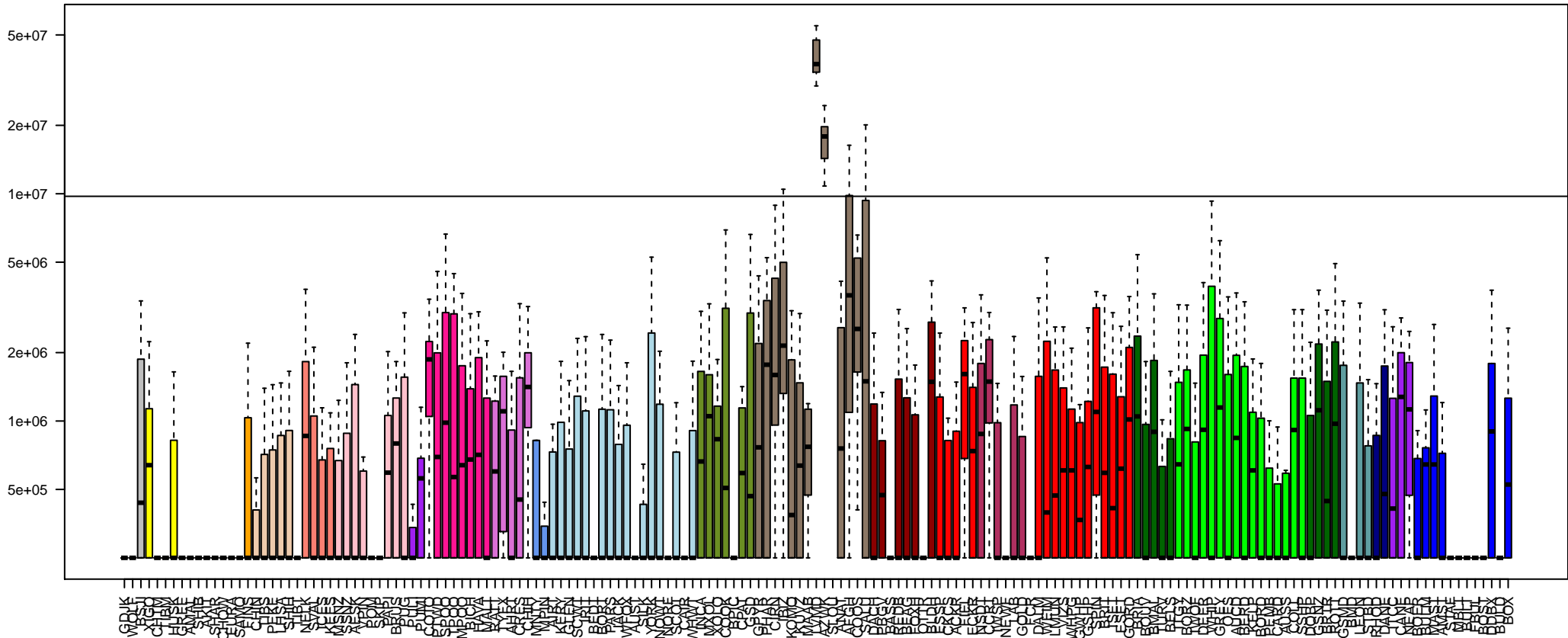
Shih Tzu



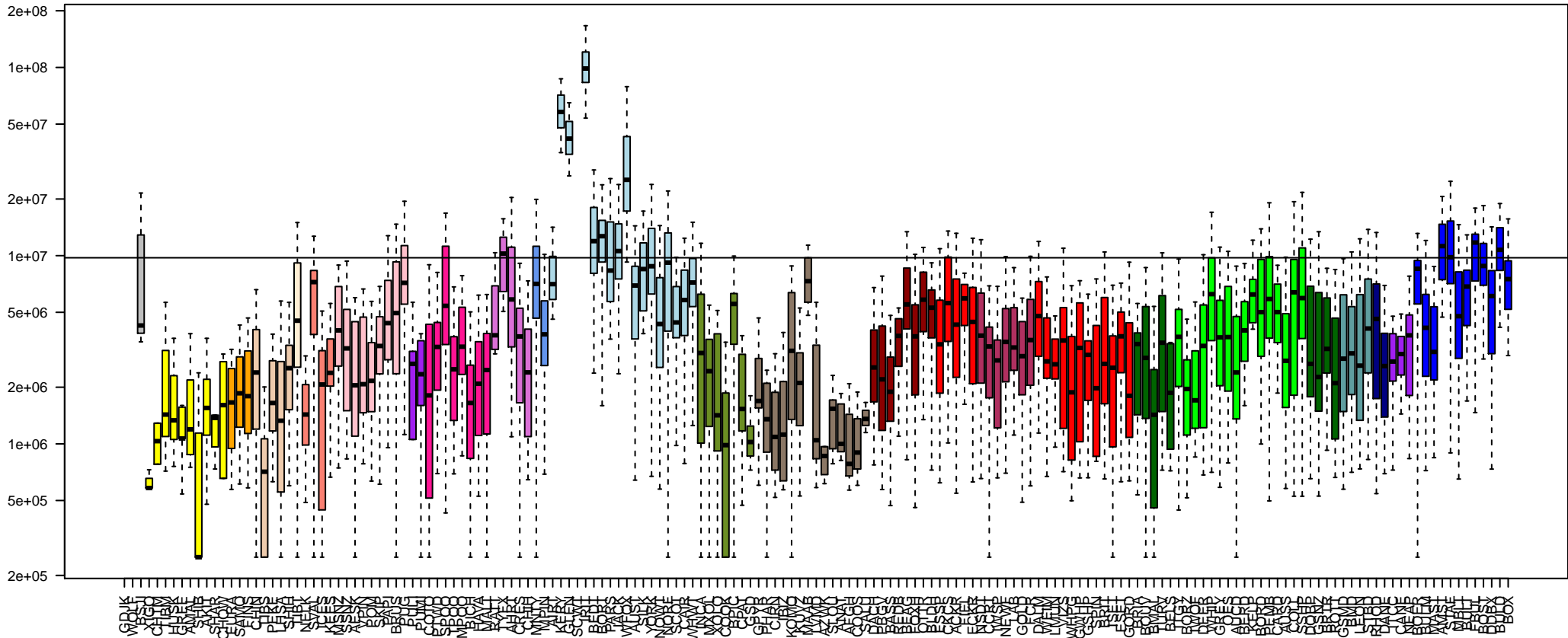
Silky Terrier



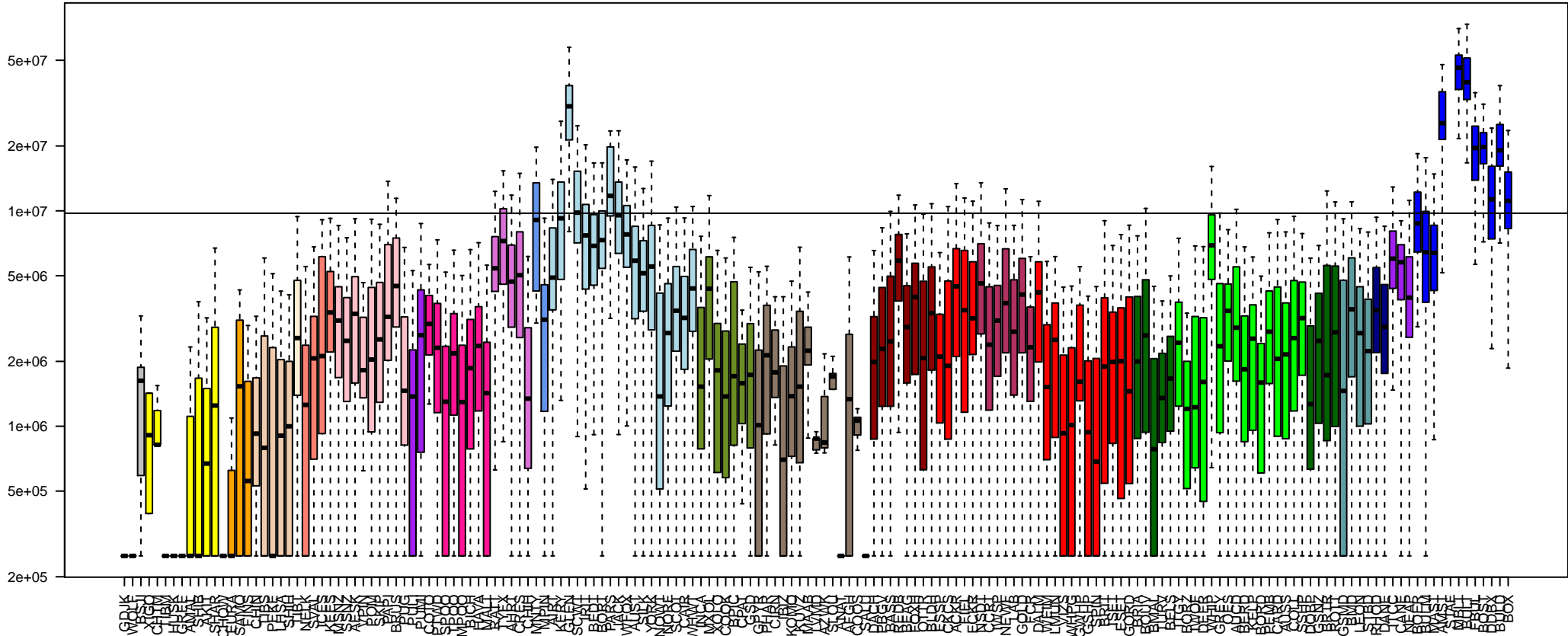
Sloughi



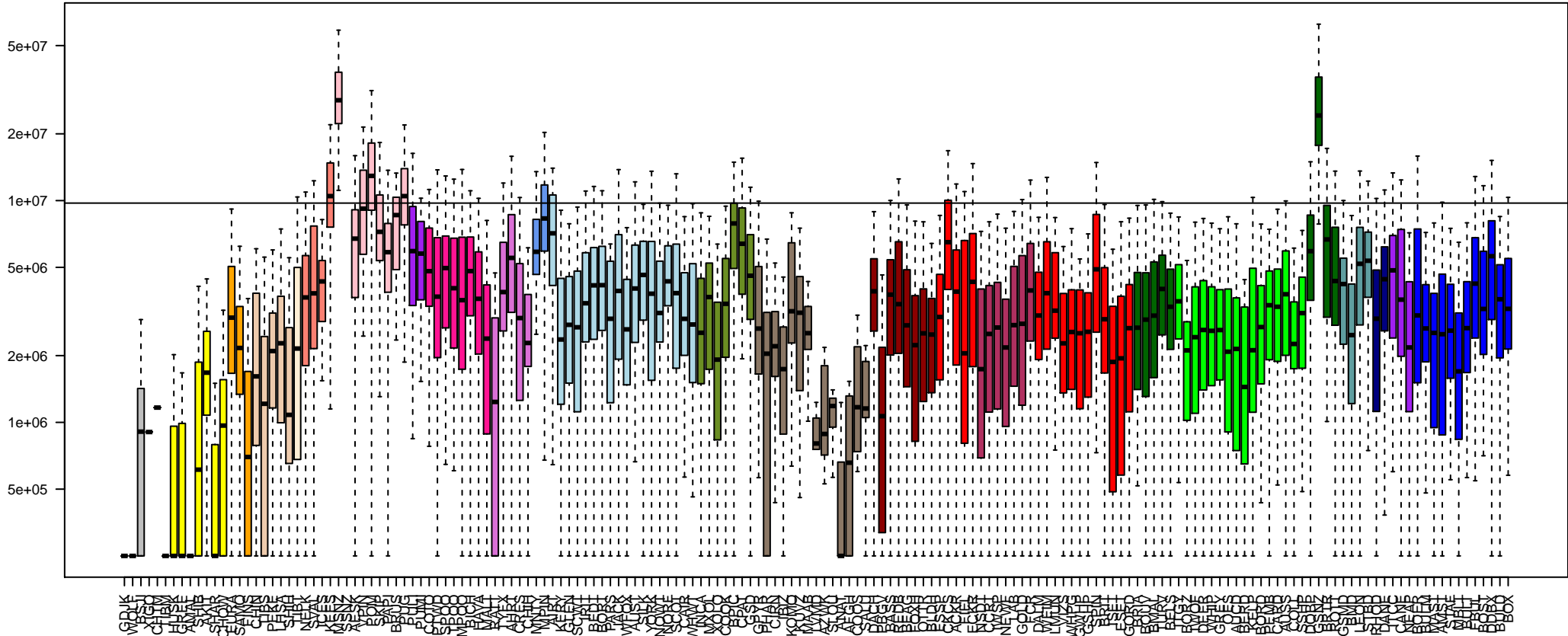
Soft Coated Wheaten Terrier



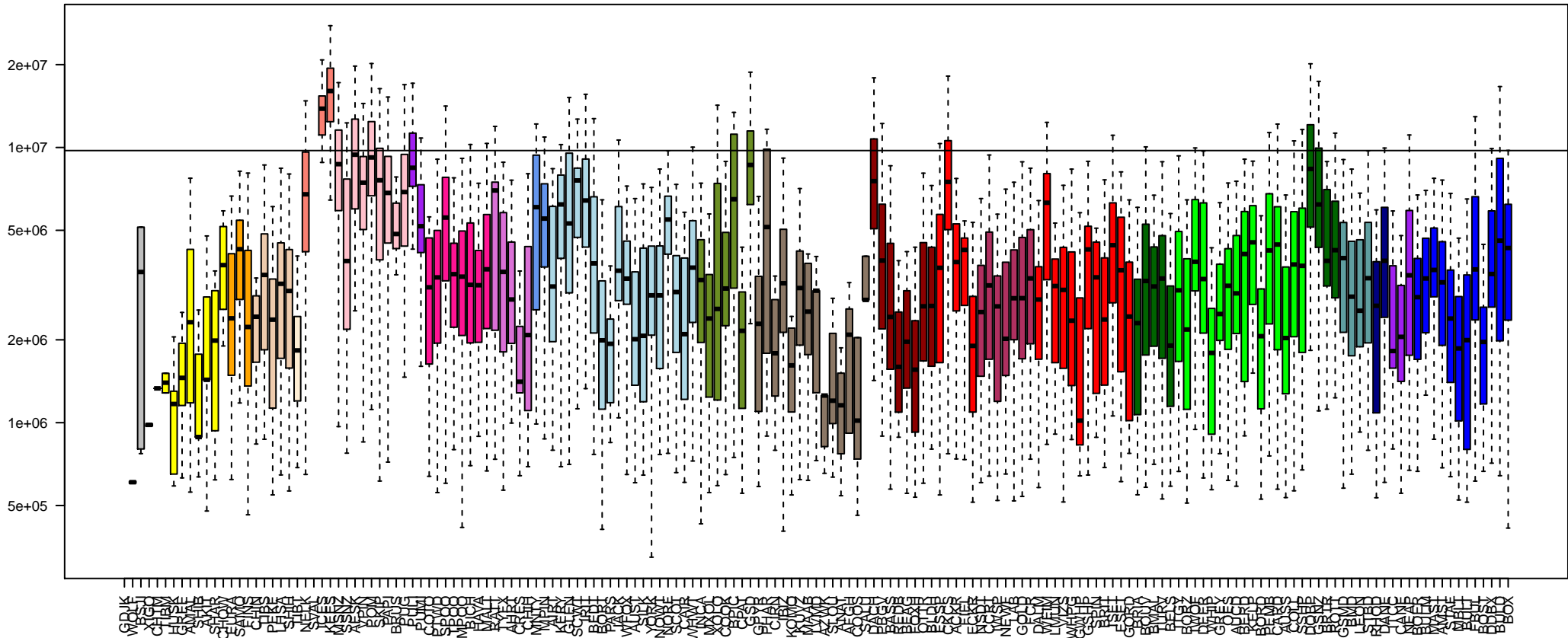
Staffordshire Bull Terrier



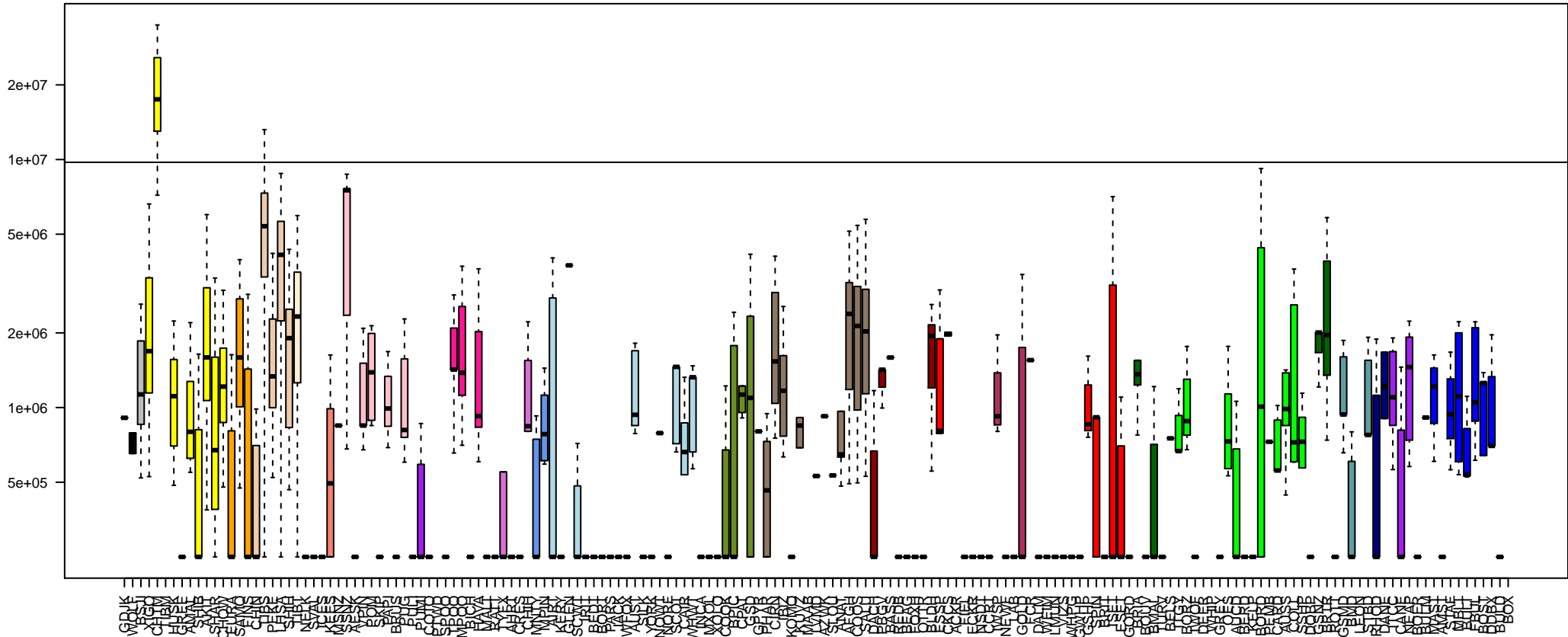
Standard Schnauzer



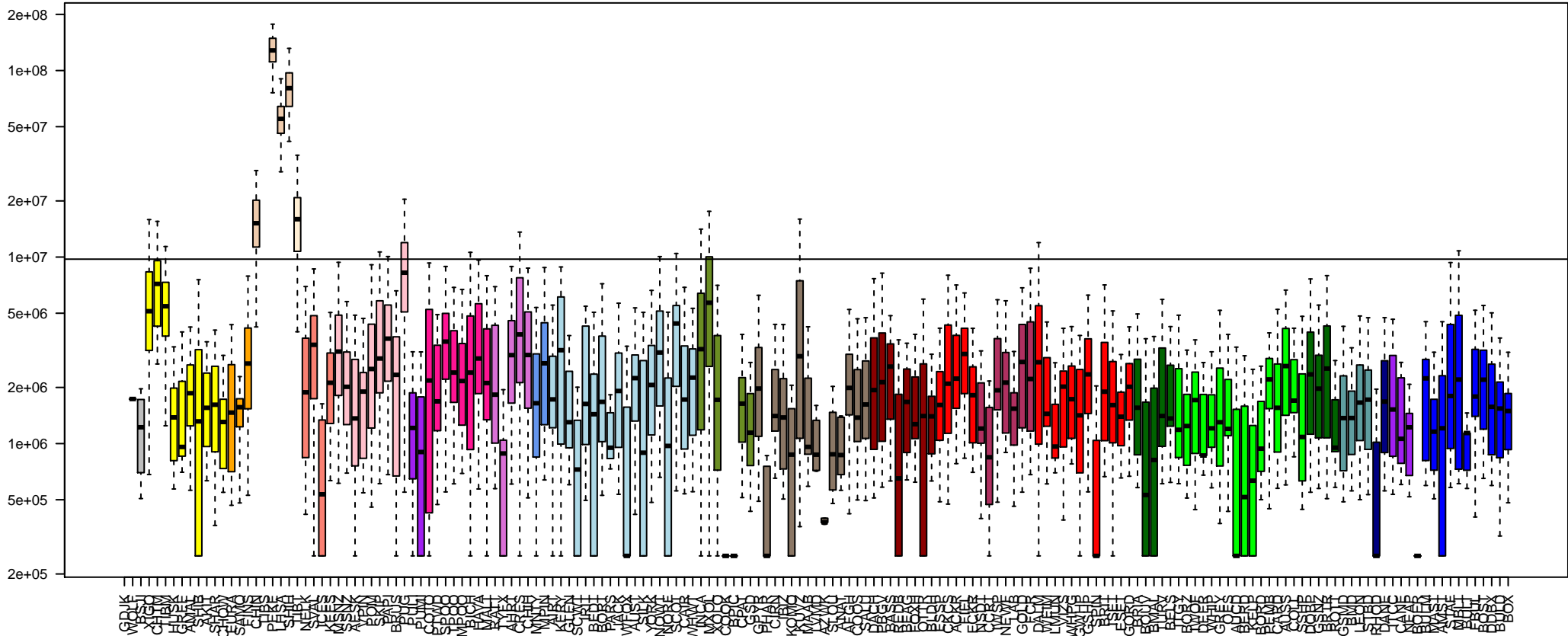
Swedish Vallhund



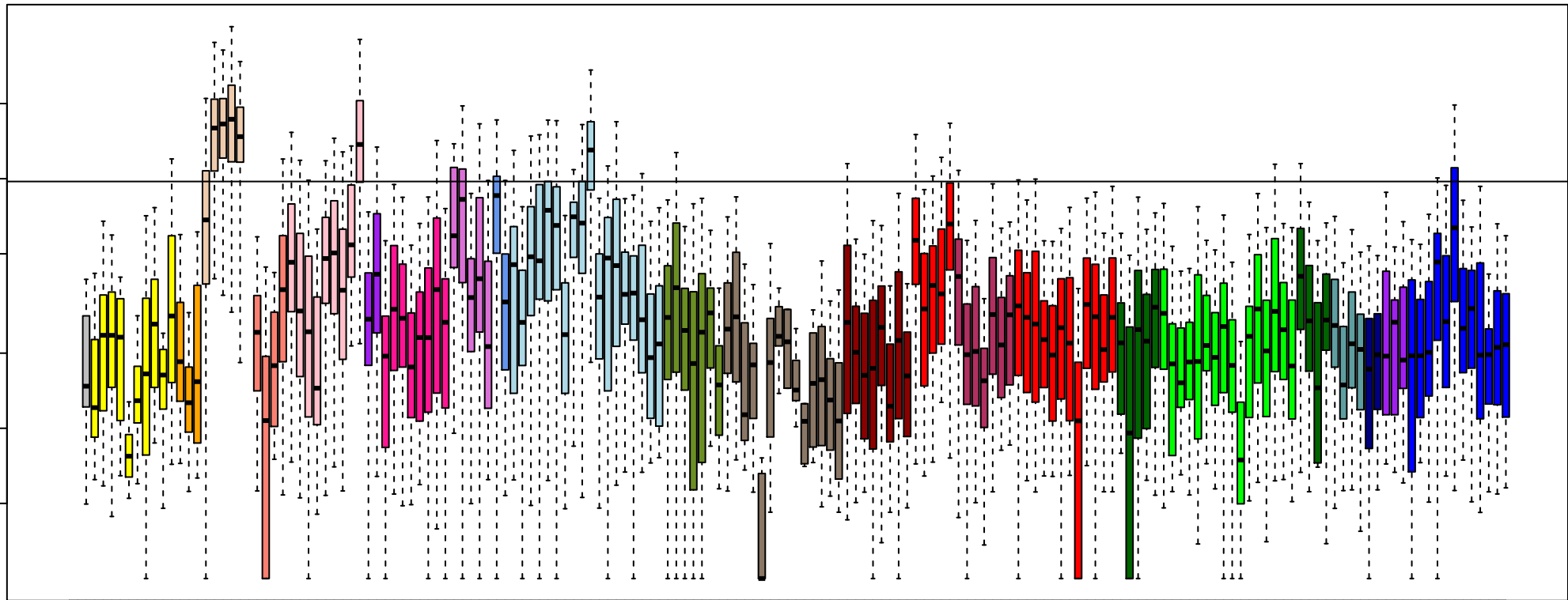
Tibetan Mastiff – North American



Tibetan Spaniel

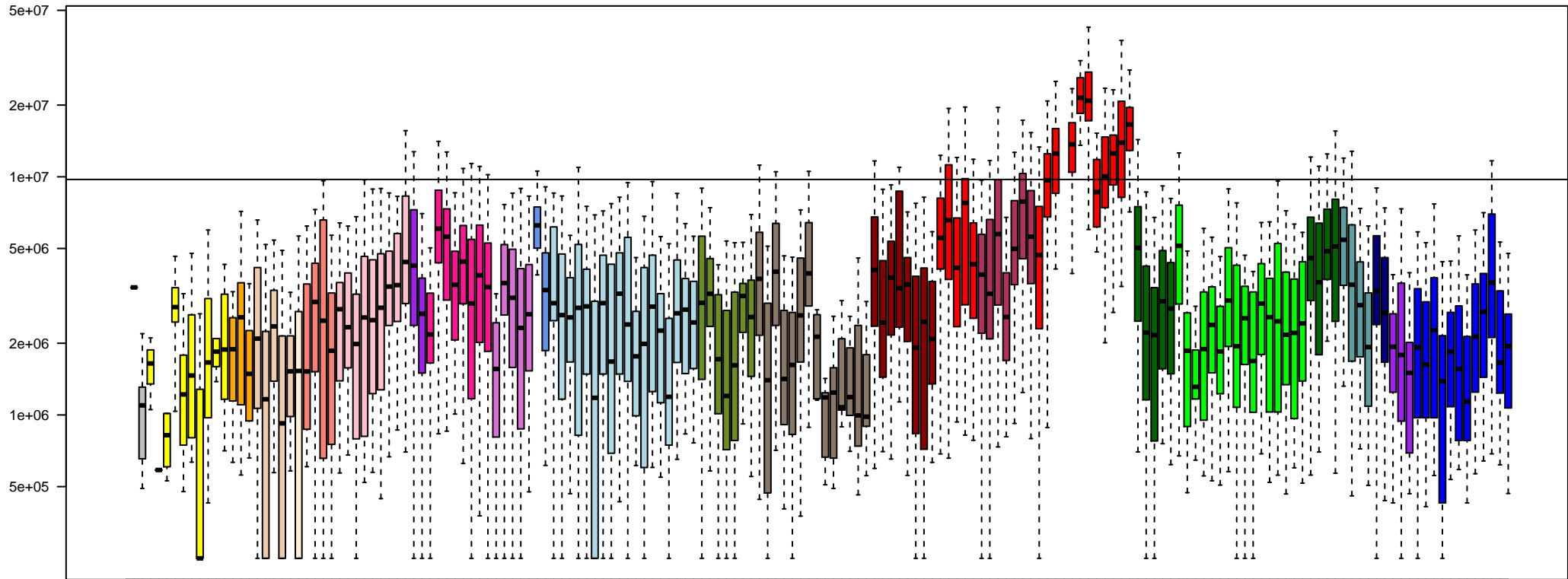


Tibetan Terrier



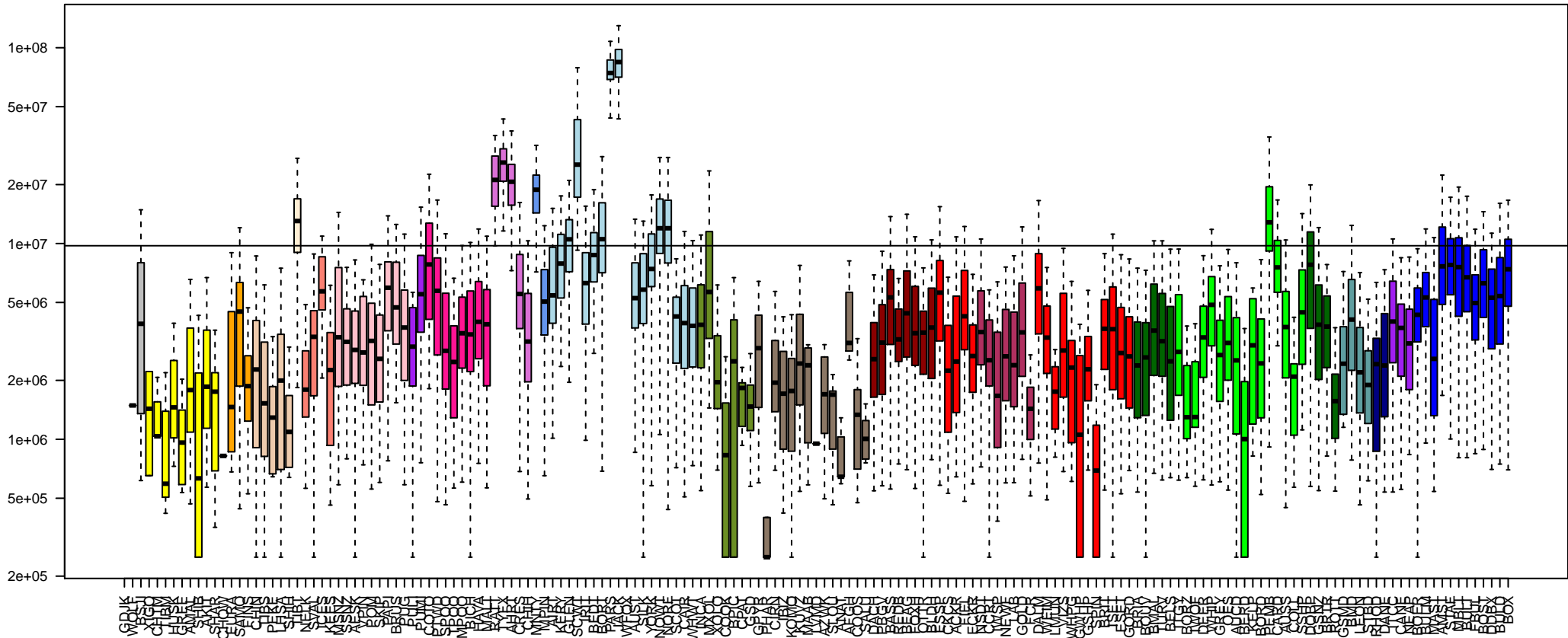
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

Vizsla

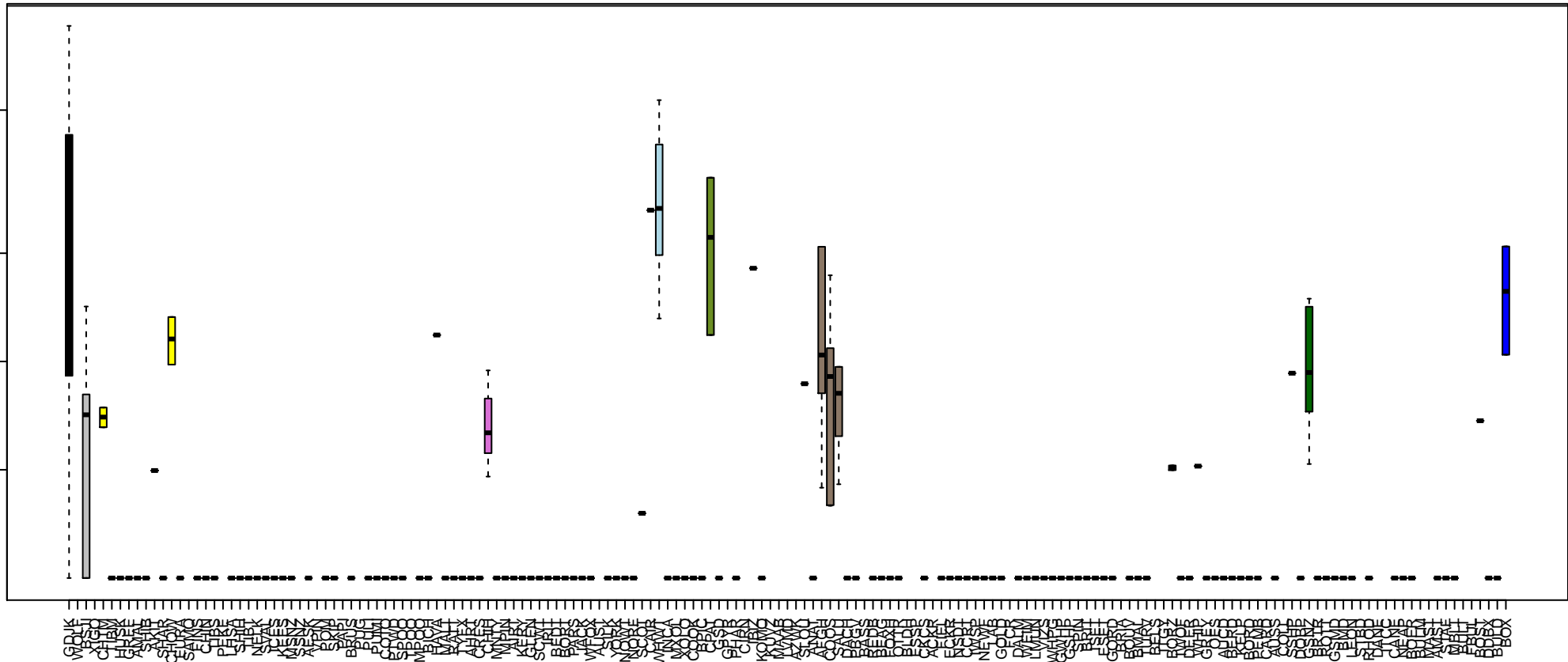


Small, rotated text labels along the x-axis, likely representing individual data points or sub-categories. The labels are densely packed and difficult to read due to their orientation and size.

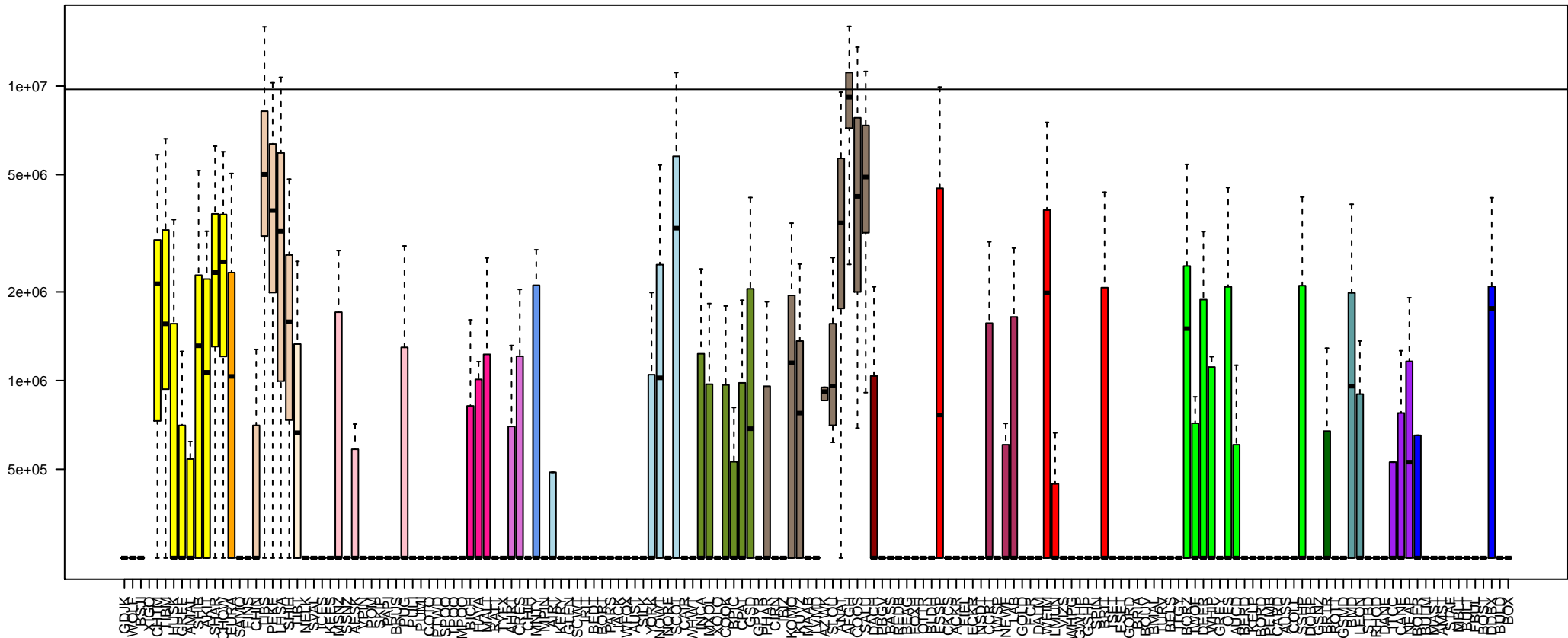
Wire Fox Terrier



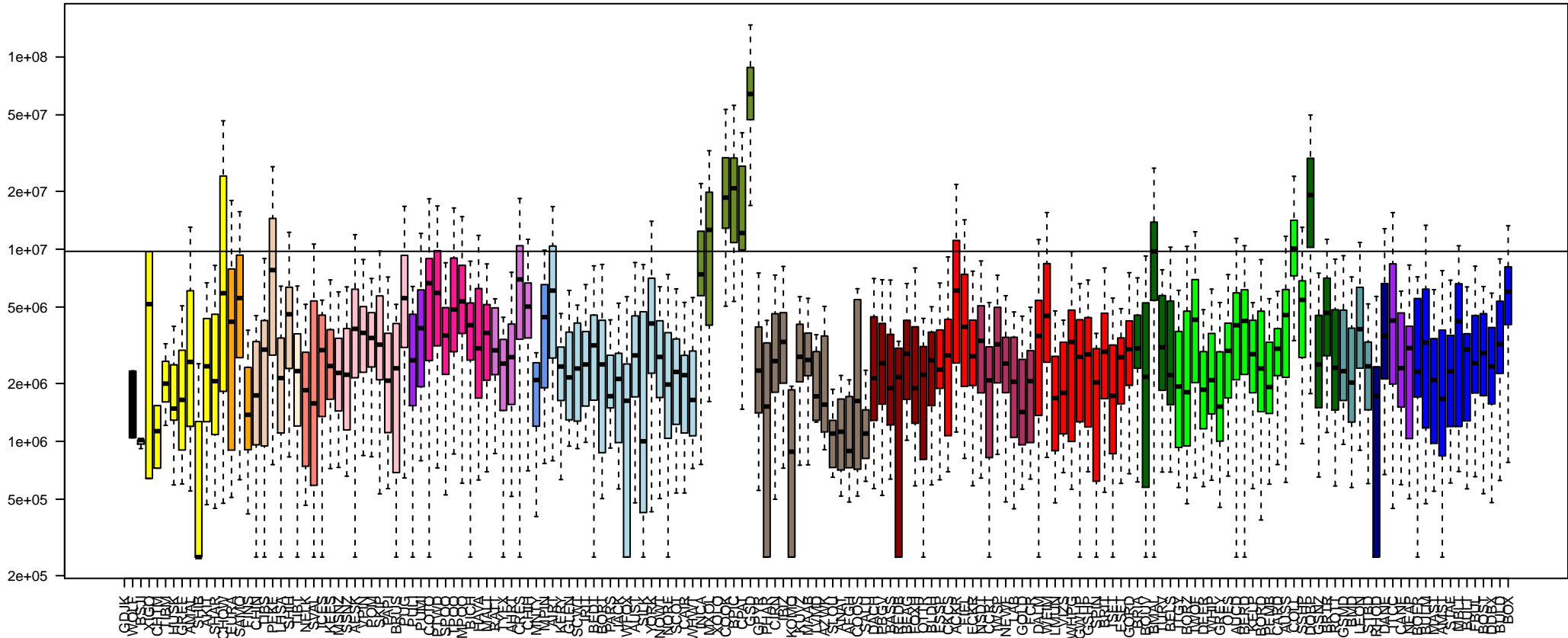
Wolf



Xigou



Xoloitzcuintli



Yorkshire Terrier

