

sample geno exp

1	HG00367	A/G	28.96038
2	NA20768	A/G	20.24449
3	HG00361	A/A	31.32628
4	HG00135	A/A	34.11169
5	NA18870	G/G	18.25141
6	NA11993	A/A	32.89721
7	HG00256	A/G	31.48736
8	NA18498	A/A	47.64556
9	HG00327	G/G	17.67473
10	HG00115	A/G	33.85374
11	NA20806	A/G	16.29854
12	HG00278	A/G	19.7345
13	NA20585	A/A	30.71355
14	NA19137	A/G	13.96175
15	HG00235	A/A	25.44983
16	NA20798	A/A	34.24915
17	NA12546	G/G	18.55622
18	NA19116	A/A	35.15014
19	HG00381	A/G	18.40351
20	NA18488	G/G	23.10383
21	HG00259	A/G	34.21985
22	HG00177	A/G	23.32404
23	NA19214	G/G	30.94554
24	NA19247	A/A	24.54684
25	NA19098	A/G	23.18606
26	NA20589	A/G	18.15997
27	NA19207	A/A	49.39612
28	HG00112	G/G	21.14387
29	NA20518	G/G	18.39547
30	HG00335	A/A	28.20755
31	NA19119	G/G	12.02809
32	HG00247	G/G	17.44761
33	NA12155	A/G	28.0358
34	NA20771	A/G	30.6527
35	NA20758	G/G	29.82254
36	HG00121	A/G	20.51327
37	NA20759	A/A	28.56199
38	NA20816	A/G	29.72309
39	NA20542	A/G	22.50789
40	NA18511	A/G	31.68959
41	NA12249	G/G	23.01983
42	NA11830	A/G	28.76435
43	NA19159	A/G	35.85543
44	NA20778	A/G	37.62403
45	NA18908	A/G	20.54885
46	HG00320	G/G	13.4247
47	NA11843	G/G	22.65437
48	HG00105	A/A	51.51787
49	NA20588	G/G	11.07445
50	NA20510	G/G	28.35841
51	NA12342	A/G	31.04941
52	HG00249	A/G	18.94583
53	NA11894	A/A	38.10956
54	HG00240	A/G	32.29483
55	HG00132	A/A	31.13741
56	HG00118	G/G	28.79371
57	NA18520	G/G	27.08956
58	NA18508	A/G	27.81775
59	HG00353	A/G	19.89903
60	NA20792	A/G	48.0341
61	NA12234	G/G	16.11138
62	HG00377	A/A	39.12999
63	NA19143	A/G	27.90313

64 NA20787 A/G 36.47949  
65 NA20513 A/G 20.03116  
66 HG00243 A/G 29.65063  
67 NA19172 A/A 32.44173  
68 NA06994 A/G 34.92257  
69 NA18510 A/G 16.71385  
70 HG00337 A/G 16.68151  
71 NA20503 A/G 25.71008  
72 NA19152 G/G 26.61928  
73 NA20761 G/G 30.18323  
74 NA19235 A/G 11.60808  
75 HG00382 A/G 19.30953  
76 NA20544 A/A 34.0326  
77 NA18923 G/G 19.4079  
78 HG00313 A/G 20.4904  
79 HG00238 G/G 19.52301  
80 NA20754 A/G 22.37224  
81 NA11918 A/G 15.20045  
82 NA18868 A/A 36.27151  
83 NA06986 A/G 20.07459  
84 HG00263 A/G 35.42982  
85 NA12058 G/G 26.56808  
86 NA20507 A/G 19.10884  
87 NA12777 A/G 24.81087  
88 NA12144 A/G 33.22193  
89 HG00129 G/G 17.34076  
90 HG00123 A/G 33.40835  
91 NA12814 A/G 22.38996  
92 HG00183 G/G 10.74263  
93 HG00109 G/G 16.66051  
94 NA20505 A/G 31.31626  
95 NA12273 A/G 9.36055  
96 HG00174 A/A 26.10355  
97 HG00324 A/A 19.48106  
98 HG00365 A/G 23.17937  
99 NA20520 A/A 38.77623  
100 NA19189 A/G 30.63079  
101 HG00155 A/G 19.1042  
102 HG00111 A/A 40.82922  
103 NA12827 A/G 25.70962  
104 NA18517 G/G 29.0172  
105 NA20801 G/G 20.69333  
106 NA20529 G/G 21.15677  
107 NA18909 A/G 38.34531  
108 HG00173 A/G 19.03976  
109 HG00349 G/G 18.58691  
110 HG00234 G/G 19.04962  
111 NA19248 G/G 22.81974  
112 NA20810 A/A 46.50527  
113 HG00255 A/G 28.8177  
114 NA12813 G/G 32.01142  
115 NA20537 G/G 21.12823  
116 NA18912 A/G 42.75662  
117 HG00332 G/G 18.61268  
118 HG00152 G/G 19.37093  
119 NA20783 G/G 31.42162  
120 NA12154 A/G 25.61662  
121 HG00236 A/A 33.0732  
122 NA19146 A/A 25.47283  
123 HG00312 A/G 26.48467  
124 HG00148 A/G 28.02486  
125 HG00364 A/G 24.23377  
126 HG00311 A/G 21.03717  
127 NA11881 A/A 29.50655  
128 HG00185 G/G 16.67764

129 NA20807 A/G 33.51752  
130 NA19184 A/G 20.73493  
131 HG00133 A/G 33.5565  
132 NA20531 G/G 19.08659  
133 NA19138 A/A 27.48438  
134 NA19206 A/G 36.62034  
135 HG00277 G/G 21.55001  
136 NA18858 A/G 40.06318  
137 HG00375 A/G 33.92744  
138 HG00127 A/G 21.02084  
139 NA19099 A/G 29.95687  
140 HG00336 G/G 8.29591  
141 HG00097 A/G 25.80393  
142 HG00267 A/G 21.49924  
143 NA20581 G/G 12.58869  
144 NA12286 A/G 34.79575  
145 NA20797 A/G 34.57705  
146 NA12872 A/G 30.03549  
147 HG00360 A/G 16.59638  
148 NA20530 A/G 27.223  
149 NA12348 A/G 24.35621  
150 NA20538 G/G 17.34109  
151 NA12760 A/G 22.86793  
152 NA12763 A/G 23.19511  
153 NA20814 G/G 28.23642  
154 NA19222 A/A 35.69719  
155 NA06989 A/A 32.42236  
156 NA19171 G/G 19.99979  
157 NA11829 A/G 33.74015  
158 NA11992 A/G 24.08401  
159 HG00141 G/G 25.55413  
160 NA19150 A/G 26.39419  
161 NA20828 A/G 32.33359  
162 NA12749 A/A 28.91526  
163 NA19190 G/G 24.45672  
164 NA06985 A/G 11.36287  
165 HG00178 A/G 21.16515  
166 NA10851 G/G 23.53572  
167 HG00371 A/A 19.14544  
168 NA20541 A/G 17.21277  
169 NA12004 A/A 22.85572  
170 HG00116 G/G 22.48273  
171 NA12272 G/G 14.66862  
172 NA19096 G/G 33.95602  
173 NA20800 A/G 22.73049  
174 HG00102 A/A 31.17067  
175 NA19236 G/G 18.26466  
176 HG00264 A/G 25.57669  
177 NA20521 A/A 27.87464  
178 HG00345 G/G 16.06661  
179 NA20509 A/A 27.9158  
180 HG00329 A/A 16.8678  
181 NA12830 A/G 11.9759  
182 HG00359 A/A 23.66127  
183 NA07051 A/G 25.35846  
184 NA20516 A/G 33.32411  
185 HG00128 A/G 22.09122  
186 NA20534 A/G 25.19977  
187 NA11892 A/A 28.03403  
188 NA20804 A/A 36.51922  
189 NA11994 A/G 30.83577  
190 HG00156 G/G 17.32504  
191 NA12843 A/G 23.63709  
192 HG00180 A/G 19.66773  
193 HG00282 G/G 19.14766

194 HG00343 G/G 12.57599  
195 HG00139 G/G 22.28749  
196 HG01789 A/G 24.6487  
197 HG00321 A/G 17.03159  
198 HG00306 A/A 27.43637  
199 HG00232 G/G 17.29261  
200 NA20528 A/G 22.27101  
201 HG00122 G/G 24.18141  
202 NA07037 A/A 35.63983  
203 NA07056 A/G 15.92557  
204 HG00151 A/G 32.5415  
205 NA19129 A/A 38.85161  
206 NA20517 A/G 22.40203  
207 NA19149 G/G 16.07627  
208 HG00341 A/G 27.41638  
209 HG00274 A/G 31.99645  
210 HG00106 A/G 30.05415  
211 HG00189 G/G 14.80495  
212 HG00252 A/G 20.01602  
213 NA11832 A/G 34.47373  
214 HG00323 A/A 22.44576  
215 NA18916 A/A 37.06379  
216 NA18867 A/G 28.75978  
217 HG00100 A/A 35.67637  
218 HG00126 G/G 23.46573  
219 NA20813 A/G 29.91249  
220 NA20504 A/G 15.71646  
221 NA20532 A/G 21.7661  
222 NA12812 A/G 9.62656  
223 HG00244 A/G 28.53965  
224 HG00265 G/G 28.97074  
225 HG00378 G/G 27.78837  
226 NA20790 A/A 50.16704  
227 NA20512 A/A 37.94544  
228 HG00268 A/A 29.15536  
229 HG00380 A/A 28.85309  
230 NA12761 A/A 38.57101  
231 HG00384 A/G 29.49417  
232 NA20796 G/G 23.92355  
233 NA12399 G/G 9.55902  
234 HG00310 A/G 29.5552  
235 HG00096 A/A 30.89365  
236 NA19147 A/G 19.44178  
237 NA20752 A/G 21.43751  
238 NA19107 A/G 30.40382  
239 HG00099 G/G 12.35836  
240 NA07048 A/A 39.31537  
241 NA19114 G/G 22.5391  
242 HG00376 A/A 31.43743  
243 NA19092 A/A 35.26739  
244 HG00130 A/G 28.50982  
245 HG00158 A/A 22.37043  
246 HG00269 A/A 28.46943  
247 NA19210 G/G 21.98118  
248 HG00258 A/A 30.15636  
249 NA19256 A/G 21.48847  
250 HG00276 G/G 16.40569  
251 HG00331 A/G 31.10134  
252 NA12751 A/G 35.99067  
253 HG00181 G/G 25.21931  
254 HG00346 G/G 24.32857  
255 NA11920 A/G 26.42877  
256 HG00326 A/G 26.28329  
257 NA12347 A/A 35.88457  
258 NA12716 A/G 20.72639

259 HG00142 G/G 19.42882  
260 HG00309 A/G 21.0914  
261 HG00315 G/G 26.56993  
262 HG00338 A/G 23.79292  
263 NA11995 A/A 32.59723  
264 NA19209 A/A 36.02549  
265 NA20540 A/A 23.86454  
266 NA12890 A/A 28.38114  
267 HG00250 G/G 13.34557  
268 NA20769 G/G 16.60507  
269 HG00138 A/A 25.14243  
270 NA19200 A/A 51.3017  
271 NA19144 G/G 24.85165  
272 NA12815 G/G 21.56943  
273 NA12043 A/G 18.79569  
274 HG00350 A/G 29.54042  
275 NA12383 A/A 28.14811  
276 NA19201 A/G 18.787  
277 HG00187 A/G 21.41071  
278 NA06984 A/A 29.1839  
279 NA20508 A/G 21.29782  
280 NA19175 G/G 23.95528  
281 NA20815 A/G 33.91853  
282 NA12044 A/G 27.20808  
283 NA18519 G/G 16.18962  
284 NA20799 A/G 17.14895  
285 NA20535 G/G 22.5372  
286 NA19141 A/G 28.72738  
287 HG00260 G/G 26.04123  
288 HG00372 G/G 6.67482  
289 NA07347 A/G 37.7384  
290 NA07357 A/A 27.0976  
291 NA20543 A/G 34.14567  
292 HG00261 G/G 20.07363  
293 HG00273 G/G 19.76527  
294 NA12341 A/G 15.36874  
295 HG00245 A/G 29.5035  
296 NA19198 A/G 25.704  
297 NA20757 A/G 20.07219  
298 NA11930 A/A 33.89656  
299 HG00358 G/G 18.50772  
300 NA18933 A/G 24.53928  
301 HG00242 A/G 17.84487  
302 NA20773 A/G 23.35766  
303 NA12282 A/G 15.71243  
304 NA19131 A/A 33.48253  
305 NA18499 A/A 15.43178  
306 HG00117 A/A 29.45277  
307 NA19121 G/G 20.14146  
308 NA20515 G/G 18.07151  
309 HG00355 A/G 19.89034  
310 NA12775 A/G 25.37234  
311 NA12005 A/G 16.12745  
312 NA11893 A/G 24.18529  
313 NA20808 A/G 21.97051  
314 NA10847 G/G 6.9439  
315 NA19102 A/G 13.08172  
316 NA12400 G/G 22.14277  
317 NA18487 A/G 32.00764  
318 NA19093 A/G 30.59653  
319 HG00342 G/G 14.23742  
320 NA19160 A/G 29.74443  
321 NA19095 A/G 27.88354  
322 HG00160 A/A 26.80283  
323 NA20766 A/G 11.12451

324 NA12717 A/G 7.07505  
325 HG00125 A/G 23.13726  
326 HG00171 A/G 21.09331  
327 NA12873 A/G 8.20002  
328 NA20525 A/G 20.62572  
329 NA20826 A/G 18.24345  
330 HG00136 G/G 19.85388  
331 HG00272 A/G 11.13478  
332 NA12340 A/A 43.51943  
333 HG00251 A/G 24.43943  
334 HG00369 A/G 22.24289  
335 NA20803 A/G 24.67325  
336 NA12842 A/G 41.03924  
337 HG00146 A/A 45.80808  
338 HG01790 A/G 33.31795  
339 NA20809 A/G 27.98844  
340 NA20765 G/G 27.73467  
341 HG00362 A/A 26.55972  
342 HG00114 A/G 31.57994  
343 NA18917 A/A 24.8733  
344 NA18502 G/G 19.02064  
345 HG00150 A/G 36.73337  
346 NA20527 A/A 29.99549  
347 HG00179 A/G 18.45322  
348 NA20805 A/A 26.68589  
349 NA19117 A/G 23.60431  
350 HG00285 A/G 24.33489  
351 NA20772 G/G 14.49816  
352 NA19213 A/G 35.74662  
353 HG00344 A/G 22.75684  
354 NA12156 A/A 39.37193  
355 HG00257 G/G 26.7894  
356 NA18486 G/G 20.84709  
357 HG00188 G/G 10.77316  
358 HG00366 A/G 34.42403  
359 HG00157 A/A 38.39523  
360 HG00262 A/A 41.23635  
361 HG00280 G/G 12.82128  
362 HG00308 G/G 16.90256  
363 NA11831 A/G 25.34866  
364 NA18910 G/G 29.60045  
365 NA20795 A/G 25.06486  
366 HG00231 A/G 36.78028  
367 NA19197 A/G 30.67131  
368 HG00101 A/A 27.13936  
369 HG00281 G/G 14.81945  
370 NA20760 A/A 36.55643  
371 HG00176 A/A 28.34688  
372 NA18489 A/G 37.8286  
373 NA12275 G/G 17.46326  
374 NA20514 A/A 15.42908  
375 HG00351 G/G 23.26922  
376 HG00186 G/G 21.39806  
377 NA20586 A/G 25.44086  
378 HG00275 G/G 18.0632  
379 HG00325 G/G 15.91528  
380 NA19118 G/G 24.80823  
381 HG00124 G/G 26.04514  
382 NA20785 A/A 47.50579  
383 HG02215 G/G 18.28089  
384 HG00253 A/A 30.15754  
385 HG00134 G/G 23.24907  
386 HG00339 A/A 34.88439  
387 NA20519 A/G 29.49548  
388 NA12778 A/G 23.27255

389 NA18861 A/A 29.29955  
390 NA20539 A/A 32.87767  
391 NA11931 G/G 17.91118  
392 NA20812 A/G 28.69506  
393 HG00120 G/G 21.09502  
394 HG00103 A/G 26.52036  
395 HG00328 A/G 27.49975  
396 NA20774 A/G 24.66196  
397 NA18873 A/G 25.81562  
398 NA20502 A/G 22.49429  
399 HG00143 A/G 26.88264  
400 HG00145 A/A 43.43665  
401 NA19225 A/A 26.5605  
402 NA12829 A/G 28.982  
403 HG00137 A/G 34.31875  
404 NA20524 A/G 26.40231  
405 HG00379 A/A 21.87746  
406 NA18505 A/G 21.67621  
407 HG01334 A/G 27.56805  
408 NA18907 A/A 33.42582  
409 NA19204 A/A 25.38406  
410 NA12874 A/G 16.16277  
411 NA20506 A/G 18.28963  
412 NA20770 A/A 18.20442  
413 NA12776 A/G 30.55183  
414 NA18934 A/G 20.70871  
415 NA19153 A/G 17.66476  
416 HG00356 A/G 22.79543  
417 NA12283 A/G 24.03419  
418 HG00284 A/G 18.02351  
419 NA12489 A/G 21.63102  
420 HG00104 A/A 21.62336  
421 NA20582 G/G 24.74366  
422 NA11840 A/G 27.54976  
423 HG00383 A/G 14.79717  
424 NA20786 A/A 35.80093  
425 NA20802 A/G 25.34921  
426 NA20756 A/A 32.26844  
427 NA19113 A/G 21.34916  
428 NA12889 G/G 27.40521  
429 NA12718 A/G 21.2008  
430 HG00266 A/G 28.36006  
431 NA12287 A/G 22.43773  
432 HG00319 A/G 25.56306  
433 NA12762 A/A 34.40756  
434 HG00334 A/G 19.50634  
435 NA12006 G/G 24.85772  
436 NA19108 G/G 23.08482  
437 NA19185 A/G 28.93651  
438 HG00246 A/G 31.79897  
439 NA12045 A/G 30.80067  
440 NA19257 A/G 33.95134  
441 NA12413 A/G 39.43243  
442 HG00159 A/A 23.99631  
443 NA20811 A/A 11.39643  
444 HG00149 A/G 23.91465  
445 NA19223 A/G 20.9756  
446 NA07346 G/G 16.56929  
447 NA20536 A/G 20.02507  
448 HG01791 A/A 35.24632  
449 HG00271 A/G 33.4417  
450 HG00373 A/G 17.32813  
451 HG00182 A/A 23.38376  
452 HG00110 A/G 32.61856  
453 NA20819 A/G 36.77906

454	HG00154	G/G	16.69044
455	HG00330	A/G	16.84776
456	NA12750	A/A	34.94395
457	HG00233	G/G	25.0888
458	HG00131	G/G	32.78519
459	HG00108	A/A	31.92036
460	HG00119	A/G	31.53069
461	NA19130	A/A	44.27738
462	HG00239	A/G	23.1825