

S. No.	Group	Size	p-value	Method	FDR	
1.	A/Q 143; A/Q 285;	2	0.044*	Charge	yes	
2.	A/Q 299; A/Q 537;	2	0.044*	Charge	yes	
3.	A/Q 139; Q/R 680;	2	0.024*	Charge	yes	
4.	N/R 59; B/Q 219; A/Q 116; A/Q 142;	4	0.008**	Charge	yes	
5.	Q 119; Q 716; N/R 146; N/R 206;	4	0.009**	Grantham	yes	
6.	Q/R 169; B/N 422;	2	0.021*	Grantham	yes	
7.	N 17; N/R 73; Q 167; Q 611; N/Q 575; N/Q 755;	6	0.003**	Grantham	yes	
8.	R 212; N 793;	2	0.003**	Grantham	yes	
9.	Q 226; Q 708; N/Q 580; N/Q 880;	4	0.000***	Grantham	yes	
10.	B/Q 244; B/Q 651;	2	0.041*	Grantham	yes	
11.	N/R 3; N 176; Q 479; Q 694;	4	0.009**	Grantham	yes	
12.	A 314; A 844;	2	0.018*	Grantham	yes	
13.	N 4; N/R 59; Q 117; Q 561;	4	0.016*	Grantham	yes	
14.	A 411; A 941; Q 475; Q 663;	4	0.004**	Grantham	yes	
15.	N 47; N/R 232; N 131; N 218; G/Q 266; G/Q 482;	6	0.007**	Grantham	yes	
16.	N/R 5; N/R 75; A/Q 139; A/Q 159;	4	0.013*	Grantham	yes	
17.	A 624; A 1089;	2	0.018*	Grantham	yes	
18.	N/R 8; N/R 140; Q 113; Q 443;	4	0.009**	Grantham	yes	
19.	N 839; R 1093;	2	0.003**	Grantham	yes	
20.	Q 113; Q 443;	2	0.016*	Polarity	yes	
21.	N 115; N 182;	2	0.035*	Polarity	no	
22.	A/Q 116; A/Q 142;	2	0.018*	Polarity	yes	
23.	Q 119; Q 716;	2	0.016*	Polarity	yes	
24.	A/Q 143; A/Q 285;	2	0.018*	Polarity	yes	
25.	N/R 146; N/R 206;	2	0.013*	Polarity	yes	
26.	G/Q 266; G/Q 482;	2	0.038*	Polarity	no	
27.	N 281; N 1238;	2	0.035*	Polarity	no	
28.	N/Q 297; N/Q 302;	2	0.024*	Polarity	no	
29.	A/Q 299; A/Q 537;	2	0.018*	Polarity	yes	
30.	Q 307; Q 818;	2	0.016*	Polarity	yes	
31.	A 314; A 844;	2	0.002**	Polarity	yes	
32.	Q 398; Q 945;	2	0.016*	Polarity	yes	
33.	A 411; A 941;	2	0.002**	Polarity	yes	
34.	N/Q 575; N/Q 755;	2	0.024*	Polarity	no	
35.	N/Q 580; N/Q 880;	2	0.024*	Polarity	no	
36.	Q 593; Q 948;	2	0.016*	Polarity	yes	
37.	A 624; A 1089;	2	0.002**	Polarity	yes	
38.	N/Q 693; N/Q 889;	2	0.024*	Polarity	no	
39.	N/R 8; N/R 140;	2	0.013*	Polarity	yes	
40.	N/Q 99; N/Q 128;	2	0.024*	Polarity	no	
41.	N 106; N 176;	2	0.015*	Polarity	yes	
42.	N 110; N 164;	2	0.010**	Polarity	yes	
43.	N 1138; N 1221;	2	0.010**	Polarity	yes	
44.	N 123; N 439;	2	0.029*	Polarity	no	
45.	N 208; N 313;	2	0.010**	Polarity	yes	
46.	N 231; N 799;	2	0.029*	Polarity	no	
47.	N/Q 248; N/Q 737;	2	0.014*	Polarity	yes	
48.	N/P 353; N/P 389;	2	0.023*	Polarity	yes	
49.	N 407; N 640;	2	0.010**	Polarity	yes	
50.	N 47; N 105;	2	0.010**	Polarity	yes	
51.	N 574; N 710;	2	0.010**	Polarity	yes	

52.	N 698; N 727; 2	0.010**	Polarity	yes
53.	N/Q 72; N/Q 637; 2	0.014*	Polarity	yes
54.	N 731; N 1109; 2	0.010**	Polarity	yes
55.	N 89; N 236; 2	0.029*	Polarity	no
56.	P/Q 10; B 134; A/B 229; N/Q 947; 4	0.010*	Polarity	yes
57.	A/Q 137; A/Q 359; N 331; N 539; 4	0.003**	Polarity	yes
58.	A/Q 139; Q 479; 2	0.036*	Polarity	no
59.	G/Q/R 157; A/P/Q 258; 2	0.010**	Polarity	yes
60.	A/Q 159; Q 694; 2	0.011*	Polarity	yes
61.	R 165; B/Q 276; 2	0.015*	Polarity	yes
62.	R 205; B/Q 585; 2	0.015*	Polarity	yes
63.	Q 213; Q 561; 2	0.015*	Polarity	yes
64.	Q/R 23; N/Q 850; N/Q 884; N/Q 1060; 4	0.003**	Polarity	yes
65.	A/Q 24; R 212; 2	0.040*	Polarity	no
66.	R 271; B/Q 695; 2	0.015*	Polarity	yes
67.	Q 328; Q 944; Q 475; Q 663; 4	0.000***	Polarity	yes
68.	Q 33; A/Q 662; 2	0.041*	Polarity	no
69.	N/R 5; B 200; 2	0.041*	Polarity	no
70.	N 88; N/Q 245; N/Q 265; 3	0.004**	Polarity	yes
71.	A/Q 116; A/Q 142; 2	0.007**	Volume	yes
72.	A/Q 139; A/Q 159; 2	0.010*	Volume	yes
73.	A/Q 143; A/Q 285; 2	0.007**	Volume	yes
74.	N/R 146; N/R 206; 2	0.004**	Volume	yes
75.	A/Q 299; A/Q 537; 2	0.007**	Volume	yes
76.	A 314; A 844; 2	0.014*	Volume	yes
77.	A 411; A 941; 2	0.014*	Volume	yes
78.	Q 475; Q 663; 2	0.017*	Volume	yes
79.	A 624; A 1089; 2	0.014*	Volume	yes
80.	N/Q 693; N/Q 889; 2	0.014*	Volume	yes
81.	N/R 8; N/R 140; 2	0.004**	Volume	yes
82.	N/Q 884; N/Q 1060; 2	0.014*	Volume	yes
83.	N/Q 99; N/Q 128; 2	0.014*	Volume	yes
84.	N 110; N 164; N/Q 565; G/Q 937; Q 307; Q 818; 6	0.002**	Volume	yes
85.	Q 113; Q 443; N 208; N 313; Q 213; G/Q 482; 6	0.001**	Volume	yes
86.	N 115; N 1238; 2	0.025*	Volume	yes
87.	N 123; N 439; N/Q 575; N/Q 755; 4	0.006**	Volume	yes
88.	A/Q 16; B/R 463; G/N 490; 3	0.021*	Volume	yes
89.	Q/R 169; N/Q 587; Q 328; Q 944; 4	0.009**	Volume	yes
90.	N 182; Q 744; 2	0.018*	Volume	yes
91.	Q 226; Q 611; N/Q 248; N/Q 737; 4	0.000***	Volume	yes
92.	N 231; N 799; N/Q 580; N/Q 880; 4	0.006**	Volume	yes
93.	N/R 232; N/Q 877; N 574; N 710; Q 398; Q 945; 6	0.001**	Volume	yes
94.	B/Q 244; B/Q 651; N 698; N 727; 4	0.018*	Volume	yes
95.	N 246; N/Q 297; N/Q 302; 3	0.004**	Volume	yes
96.	N/P 353; N/P 389; 2	0.012*	Volume	yes
97.	B/Q 465; Q 479; 2	0.033*	Volume	yes
98.	N/P 480; N/Q 682; 2	0.018*	Volume	yes
99.	N 887; Q/R 1102; 2	0.044*	Volume	yes