WT
T15A
T218A
T352A
W407A
Y18A
E164G
E222H
N163D
Q19C
R240E
R240K
Ladder
S298E
W120H
W325R
W339G
W339S
Y295G
WT
E406A
M221A
E222K
E222Q
E222R
E222Y
I244E
N163C
E222A
N220A
R76A
S16A
W407Q
W407R
P329N
Ladder
W325A
W34A
W407G
WT
H119E
E177L
N300I
T175R
I244N
H7Y
F7H
W352A
Y296A
WT
N293C
L362M
N293Q
N220Y
W409Y
W399R
S16N
H178R
N293D
N220R
W120A
F415A
G355A
H119A
N163A
Ladder
N354A
N404A
S14A
S17A
H119N
Q19S
Y166P
L171R
A195S
S331A
Ladder
D403A
A408A
A356A
E177A
E154D
H379R
H373R
WT
R240D
W325G
E164R
E164A
N293A
N220H
E177K
I91E
C167A
E353A
L171A
M323A
W325C
V52G
E423S
N404C
M26D
H379T
H101R
N166D
M358T
W399C
K341A
WT
H178A
Q19A
R240A
S400A
T296A
M323K
N220G
H315E
F415N
H119N
Q19S
Y166P
L171R
A195S
S331A
Ladder
D403A
A408A
A356A
E177A
E154D
H379R
H373R
WT
W120F
Q313R
E406D
S17E
H315N
C167Q
W325L
Y294F
A357A
W399A
Y294A