(JAM2: 9.23 pI; JAM1: 8.09 pI; JAM3: 7.53 pI)

=== JAM2 ===

=== All mutations ===

Count: 5643

Mean Pathogenicity Score: 0.4487

Median: 0.3473

Standard Deviation: 0.3164

Variance: 0.1001

=== Acidic → Basic (D or E → K or R) ===

Count: 58

Mean pathogenicity score: 0.4191

Median: 0.3351

Standard Deviation: 0.2944

Variance: 0.0867

Min score: 0.0707

Max score: 0.9924

=== Basic → Acidic (K or R → D or E) ===

Count: 80

Mean pathogenicity score: 0.4235

Median: 0.3588

Standard Deviation: 0.2746

Variance: 0.0754

Min score: 0.0705

Max score: 0.9943

=== Other>Basic Mutations (non-K/R → K or R only) ===

Count: 514

Mean Pathogenicity Score: 0.4908

Median: 0.4032

Standard Deviation: 0.3357

Variance: 0.1127

Min: 0.0575, Max: 0.9997

=== Other>Acidic Mutations (non-D/E → D or E only) ===

Count: 536

Mean Pathogenicity Score: 0.5133

Median: 0.4273

Standard Deviation: 0.3304

Variance: 0.1092

Min: 0.0566, Max: 0.9998

=== Acidic>Other Mutations (D or E → non-D/E) ===

Count: 522

Mean pathogenicity score: 0.5156

Median: 0.4604

Standard Deviation: 0.3095

Variance: 0.0958

Min score: 0.0531

Max score: 0.9994

=== Basic>Other Mutations (K or R → non-K/R) ===

Count: 720

Mean pathogenicity score: 0.4170

Median: 0.3421

Standard Deviation: 0.2596

Variance: 0.0674

Min score: 0.0669

Max score: 0.9978

=== JAM1 ===

=== All mutations ===

Count: 5662

Mean Pathogenicity Score: 0.5100

Median: 0.4436

Standard Deviation: 0.3012

Variance: 0.0907

=== Acidic → Basic (D or E → K or R) ===

Count: 56

Mean pathogenicity score: 0.4410

Median: 0.3292

Standard Deviation: 0.2703

Variance: 0.0731

Min score: 0.1428

Max score: 0.9982

=== Basic → Acidic (K or R → D or E) ===

Count: 60

Mean pathogenicity score: 0.4636

Median: 0.4166

Standard Deviation: 0.2339

Variance: 0.0547

Min score: 0.1104

Max score: 0.9974

=== Other>Basic Mutations (non-K/R → K or R only) ===

Count: 536

Mean Pathogenicity Score: 0.5533

Median: 0.5115

Standard Deviation: 0.3053

Variance: 0.0932

Min: 0.0721, Max: 0.9999

=== Other>Acidic Mutations (non-D/E → D or E only) ===

Count: 540

Mean Pathogenicity Score: 0.5821

Median: 0.5495

Standard Deviation: 0.2955

Variance: 0.0873

Min: 0.0752, Max: 1.0000

=== Acidic>Other Mutations (D or E → non-D/E) ===

Count: 504

Mean pathogenicity score: 0.5456

Median: 0.5018

Standard Deviation: 0.2966

Variance: 0.0880

Min score: 0.1019

Max score: 0.9999

=== Basic>Other Mutations (K or R → non-K/R) ===

Count: 540

Mean pathogenicity score: 0.4754

Median: 0.4189

Standard Deviation: 0.2403

Variance: 0.0577

Min score: 0.1070

Max score: 0.9993

=== JAM3 ===

=== All mutations ===

Count: 5871

Mean Pathogenicity Score: 0.5310

Median: 0.4863

Standard Deviation: 0.3405

Variance: 0.1160

=== Acidic → Basic (D or E → K or R) ===

Count: 78

Mean pathogenicity score: 0.4574

Median: 0.3881

Standard Deviation: 0.3318

Variance: 0.1101

Min score: 0.0654

Max score: 0.9982

=== Basic → Acidic (K or R → D or E) ===

Count: 80

Mean pathogenicity score: 0.4814

Median: 0.3627

Standard Deviation: 0.3038

Variance: 0.0923

Min score: 0.0963

Max score: 0.9984

=== Other>Basic Mutations (non-K/R → K or R only) ===

Count: 538

Mean Pathogenicity Score: 0.5812

Median: 0.6332

Standard Deviation: 0.3585

Variance: 0.1285

Min: 0.0341, Max: 1.0000

=== Other>Acidic Mutations (non-D/E → D or E only) ===

Count: 540

Mean Pathogenicity Score: 0.6050

Median: 0.6424

Standard Deviation: 0.3442

Variance: 0.1185

Min: 0.0613, Max: 1.0000

=== Acidic>Other Mutations (D or E → non-D/E) ===

Count: 702

Mean pathogenicity score: 0.5245

Median: 0.4813

Standard Deviation: 0.3315

Variance: 0.1099

Min score: 0.0559

Max score: 0.9998

=== Basic>Other Mutations (K or R → non-K/R) ===

Count: 720

Mean pathogenicity score: 0.4688

Median: 0.3699

Standard Deviation: 0.2999

Variance: 0.0899

Min score: 0.0605

Max score: 0.9994