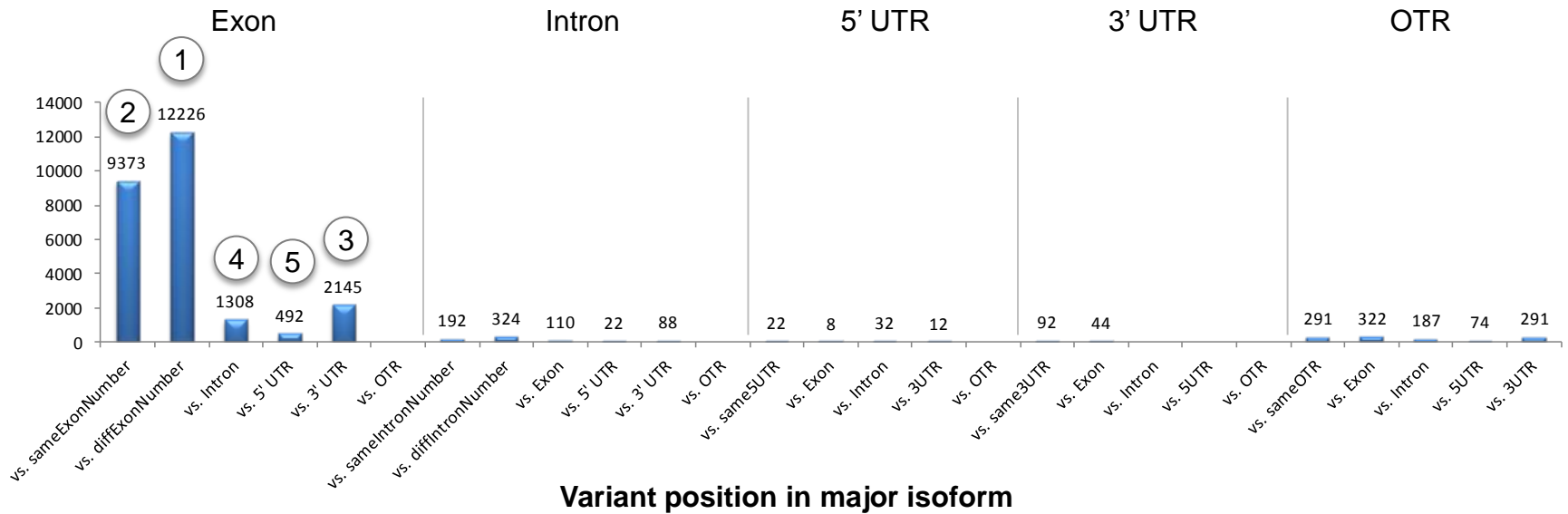


Variant position in UCSC-based canonical isoform



Variant position in major isoform

Total variants examined = 147,540

Total mismatched cases between major and canonical isoforms = 29,669

Mismatched cases that canonical isoform is available = 27,655

Rank 1 = $12,226 / 147,540 * 100 = 8.3\%$ → Annotations were changed in 743 cases (0.5%).

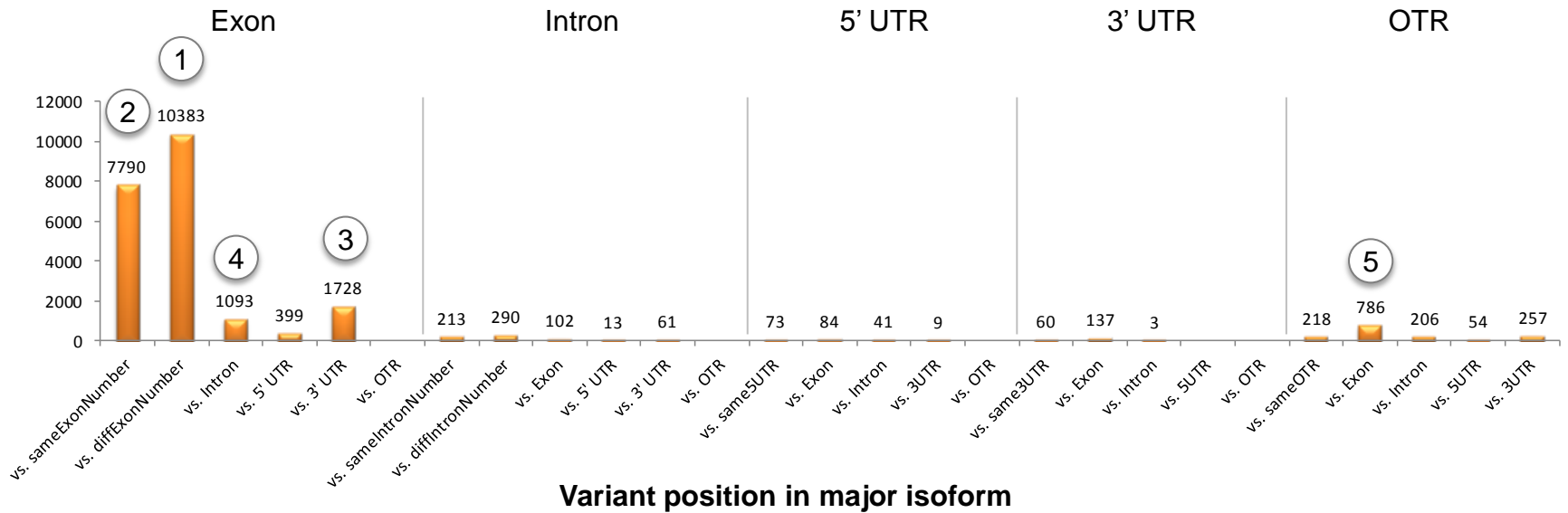
Rank 2 = $9,373 / 147,540 * 100 = 6.4\%$

Rank 3 = $2,145 / 147,540 * 100 = 1.5\%$

Rank 4 = $1,308 / 147,540 * 100 = 0.9\%$

Rank 5 = $492 / 147,540 * 100 = 0.3\%$

Variant position in UniProt-based canonical isoform



Total variants examined = 147,540

Total mismatched cases between major and canonical isoforms = 29,669

Mismatched cases that canonical isoform is available = 24,000

Rank 1 = $10,383 / 147,540 * 100 = 7.0\%$ → Annotations were changed in 110 cases (0.07%).

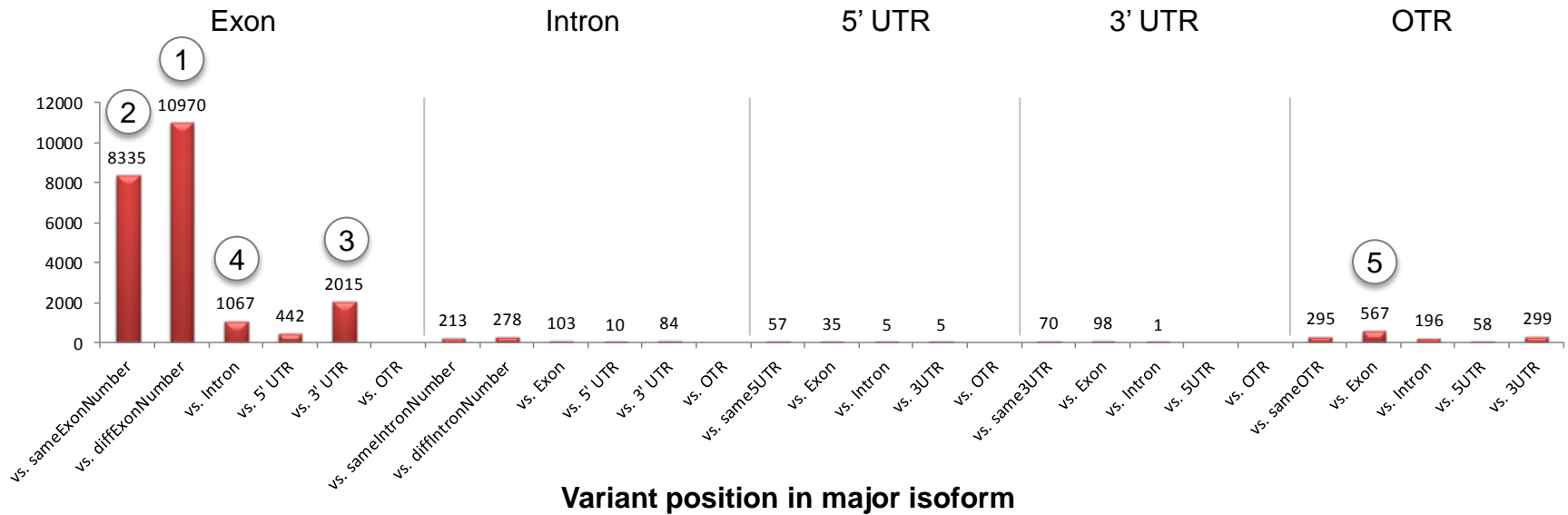
Rank 2 = $7,790 / 147,540 * 100 = 5.3\%$

Rank 3 = $1,728 / 147,540 * 100 = 1.2\%$

Rank 4 = $1,093 / 147,540 * 100 = 0.7\%$

Rank 5 = $786 / 147,540 * 100 = 0.5\%$

Variant position in APPRIS principal isoform



Total variants examined = 147,540

Total mismatched cases between major and principal isoforms = 29,669

Mismatched cases that canonical isoform is available = 25,203

Rank 1 = $10,970 / 147,540 * 100 = 7.4\%$ → Annotations were changed in 467 cases (0.3%).

Rank 2 = $8,335 / 147,540 * 100 = 5.6\%$

Rank 3 = $2,015 / 147,540 * 100 = 1.4\%$

Rank 4 = $1,067 / 147,540 * 100 = 0.7\%$

Rank 5 = $567 / 147,540 * 100 = 0.4\%$