**script\_1.sh:**

Searching the target peptides from spiked-in protein against the iPRG-2015 dataset using PepQuery.

**script\_2.sh:**

Searching the peptides from E. coli against the iPRG-2015 dataset using PepQuery.

**script\_3.sh:**

Searching the junction peptides using PepQuery.

**script\_4\_1.R:**

TP evaluation based on iPRG-2015 dataset.

**script\_4\_2.R:**

FP evaluation based on iPRG-2015 dataset: Hyperscore.

**script\_4\_3.R:**

FP evaluation based on iPRG-2015 dataset: MVH.

**generate\_random\_mutation\_peptide.R:**

Generate random mutation peptides.

**script\_5\_1.pl:**

Colon variant peptides identification using PepQuery: Hyperscore.

**script\_5\_2.pl:**

Colon variant peptides identification using PepQuery: MVH.

**script\_6\_1.sh:**

Searching target peptides against E. Coli-human dataset using PepQuery: Hyperscore.

**script\_6\_2.sh:**

Searching decoy peptides against E. Coli-human dataset using PepQuery: Hyperscore.

**script\_6\_3.sh:**

Searching target peptides against E. Coli-human dataset using PepQuery: MVH.

**script\_6\_4.sh**

Searching decoy peptides against E. Coli-human dataset using PepQuery: MVH.

**script\_7.pl:**

FDR evaluation based on Colon dataset.

**generate\_ref\_db.pl:**

generate reference databases for FDR evaluation based on Colon dataset.