

FIG 1

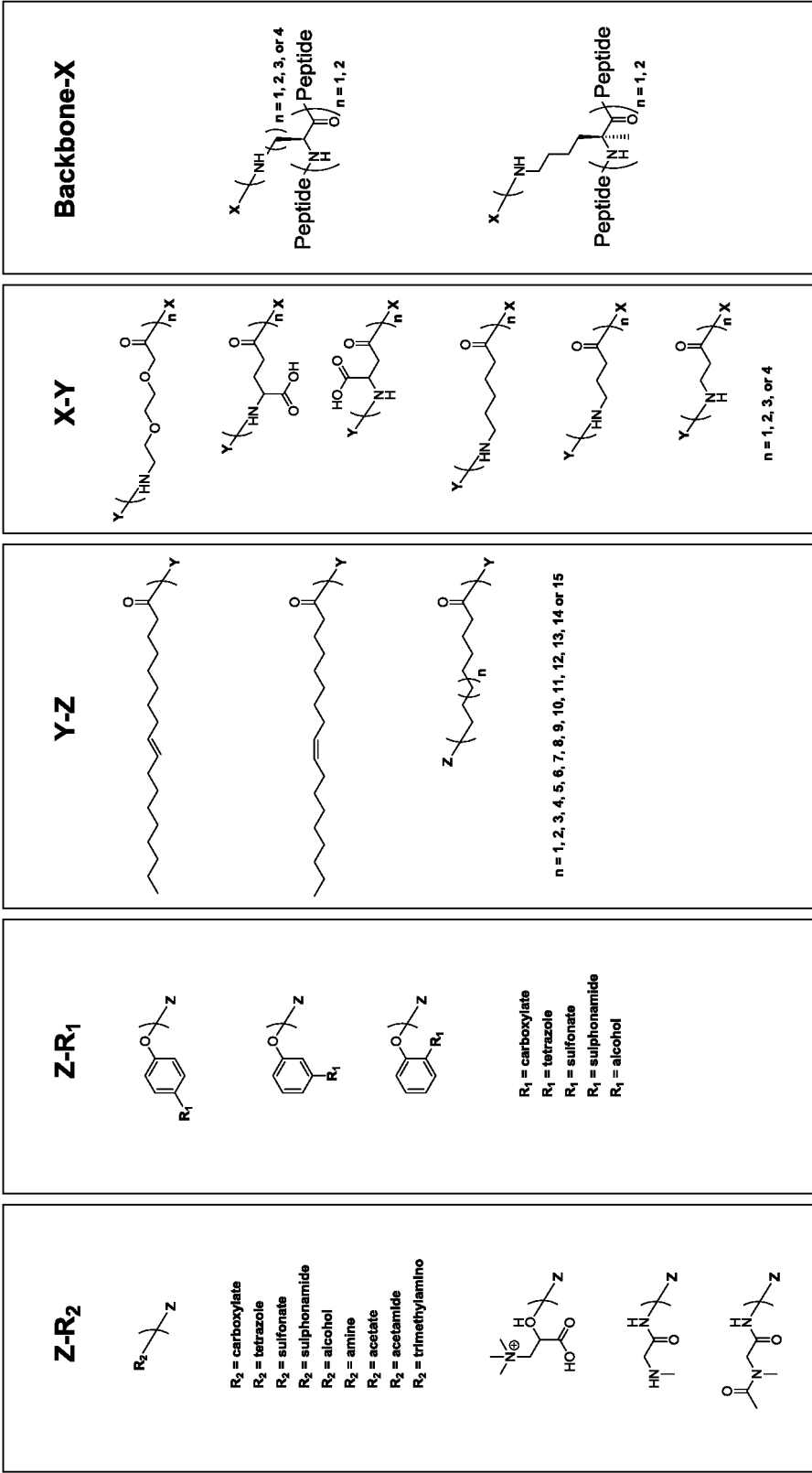


FIG 2

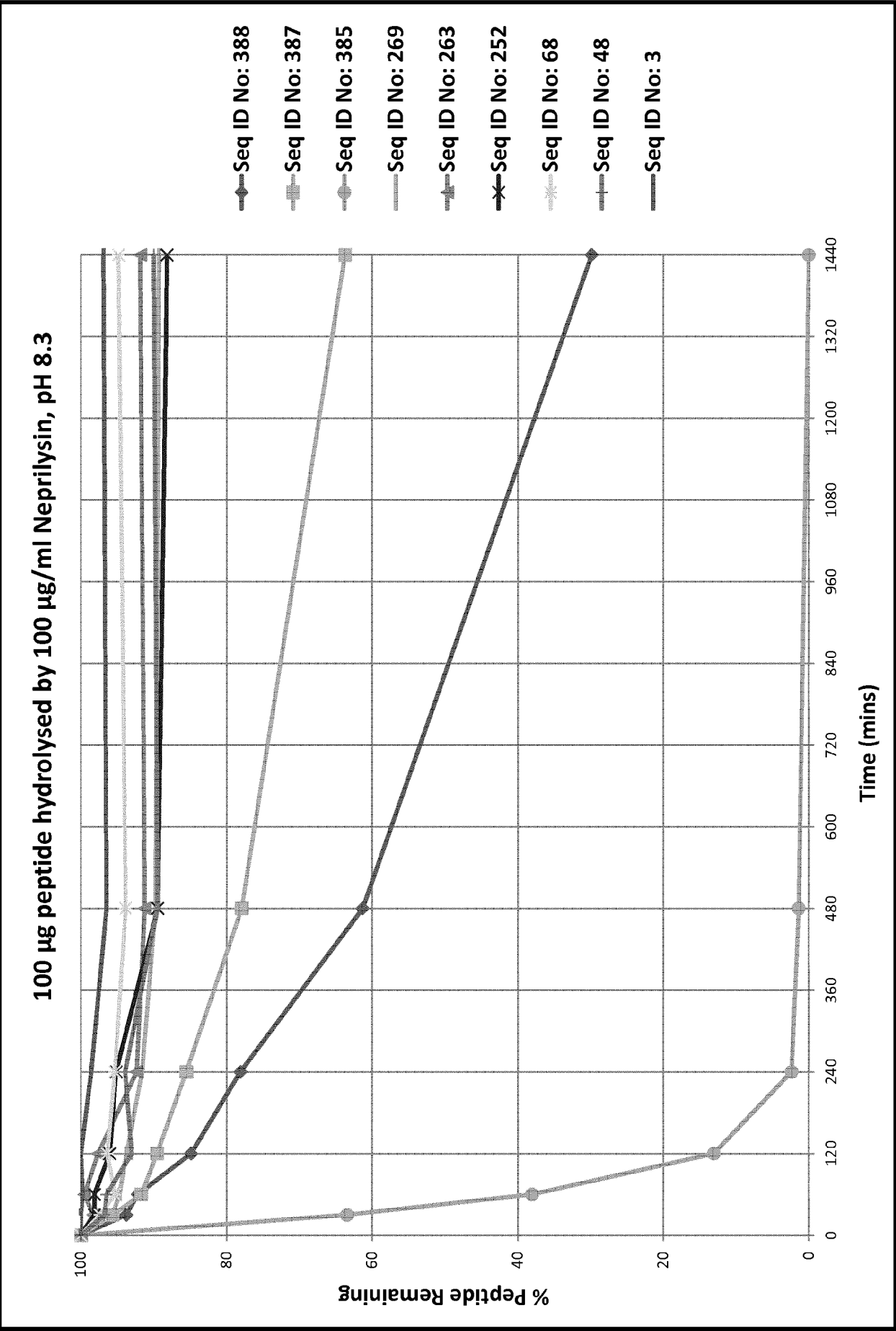


FIG 3

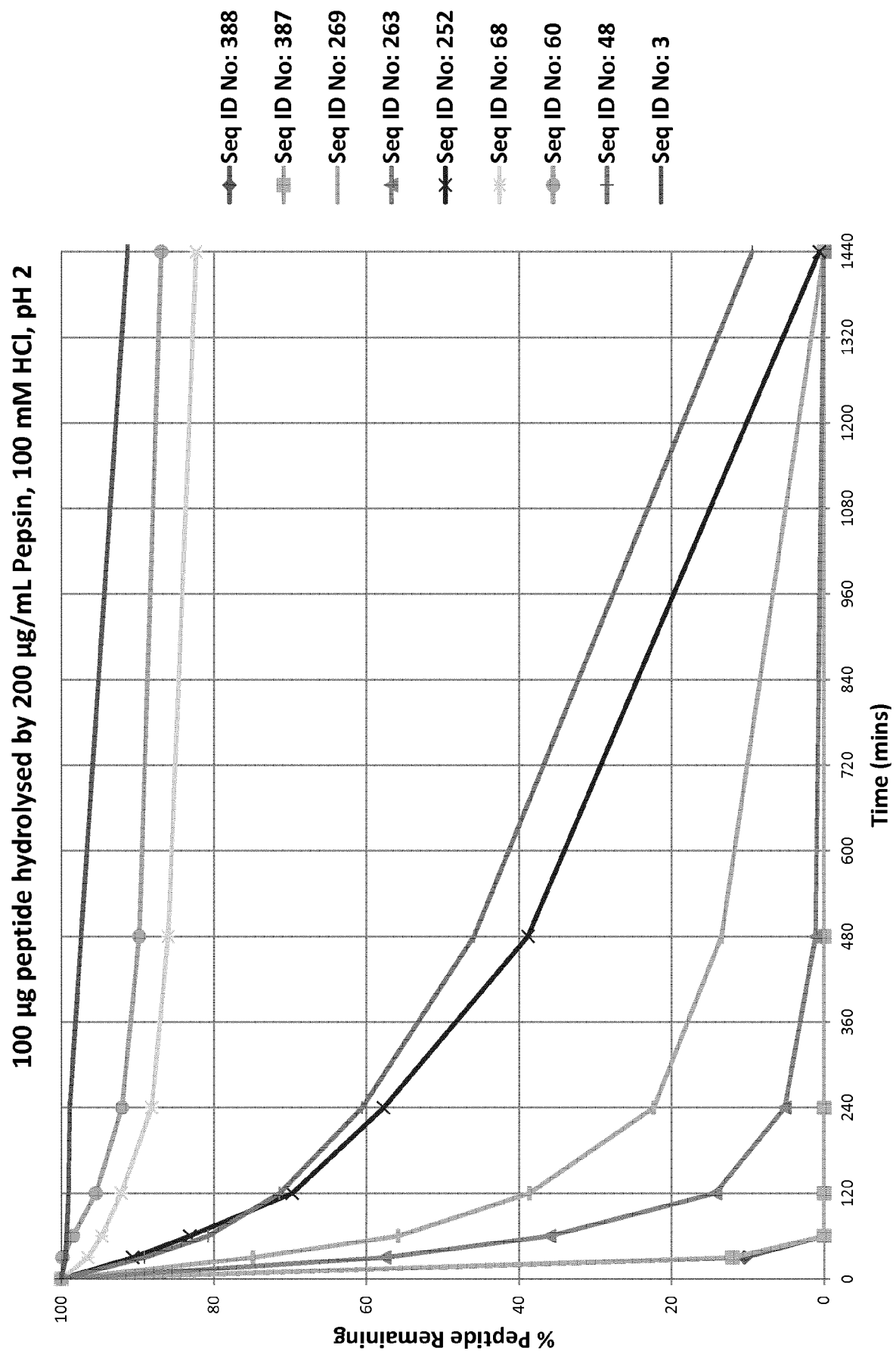


FIG 4

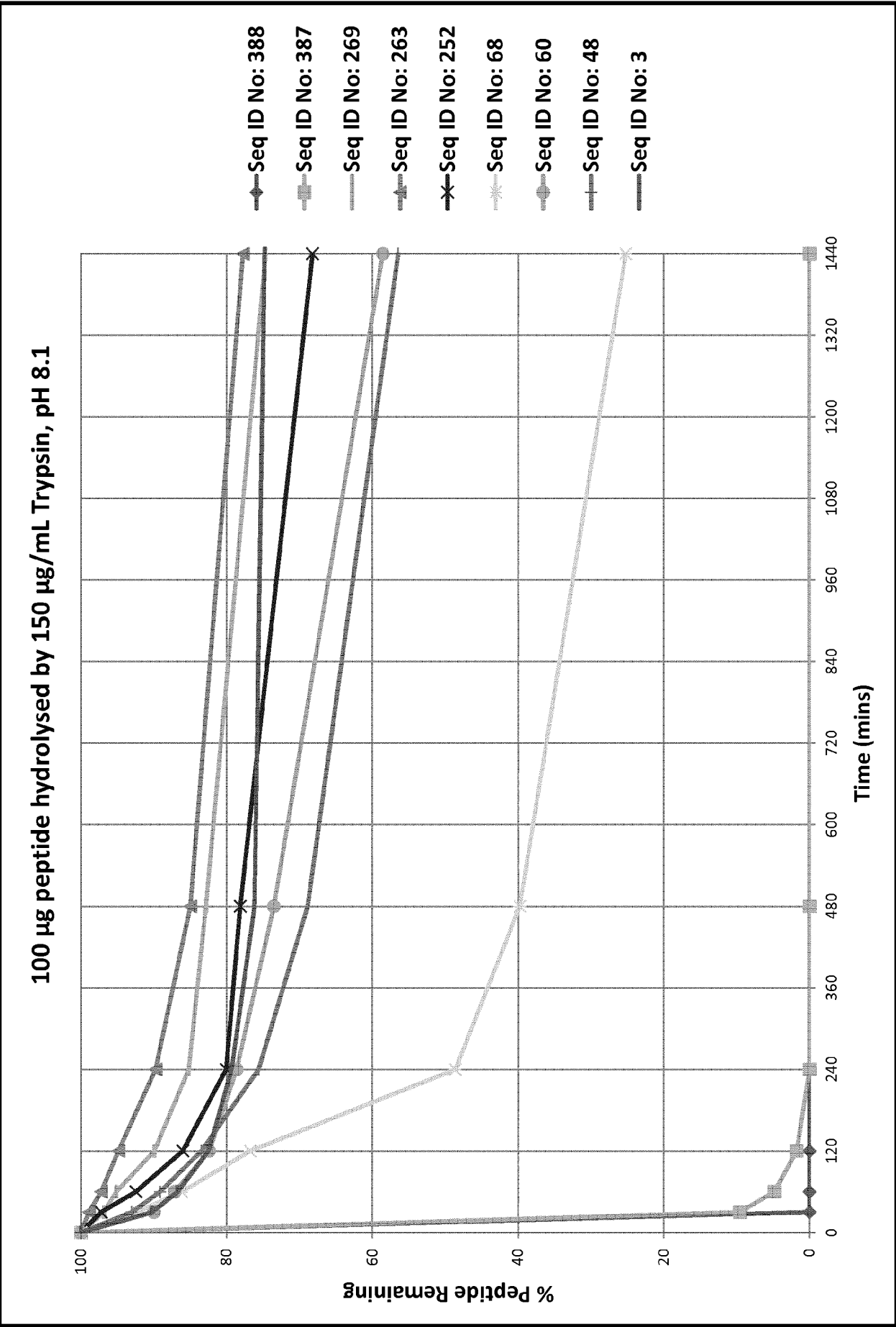
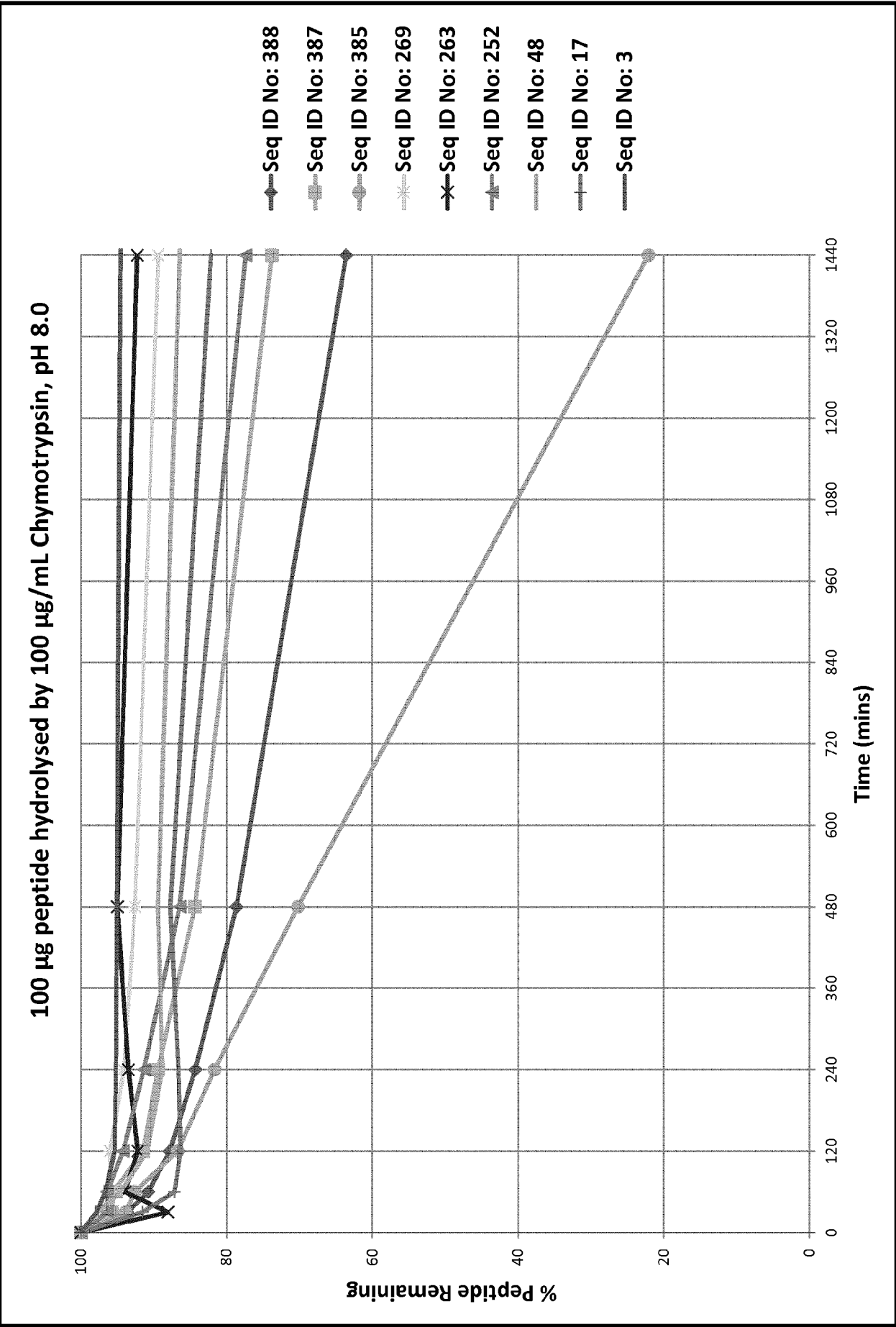


FIG 5



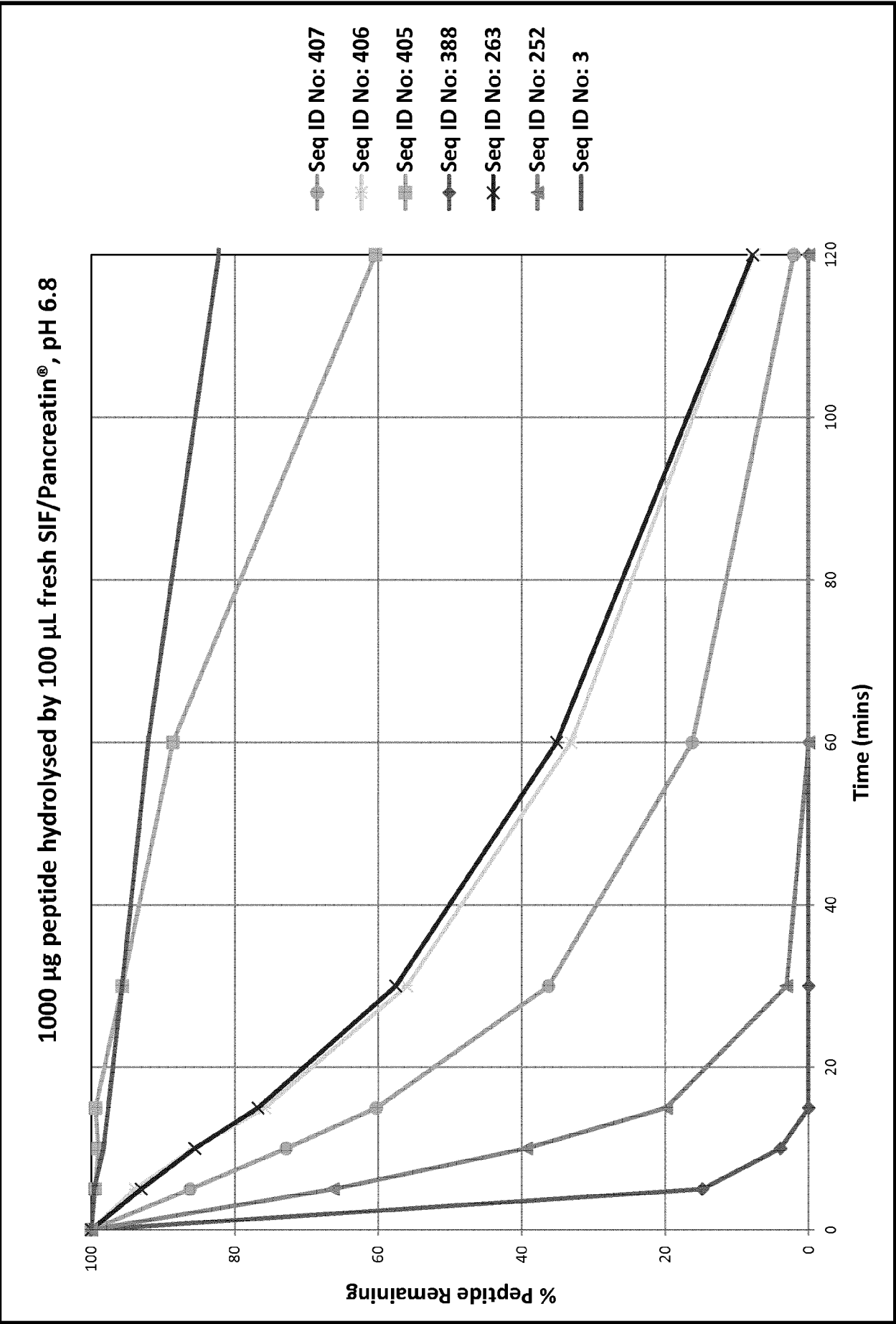


FIG. 7

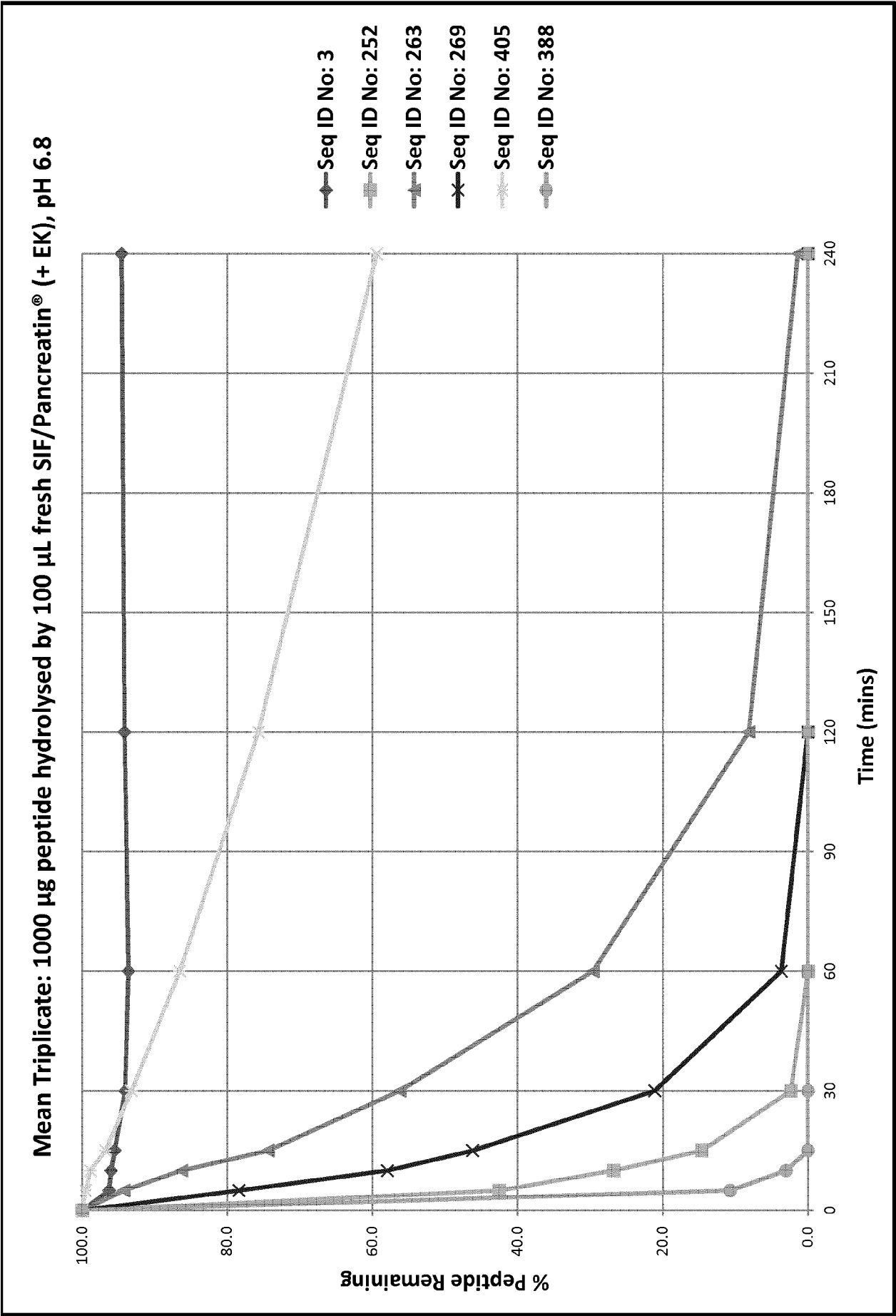
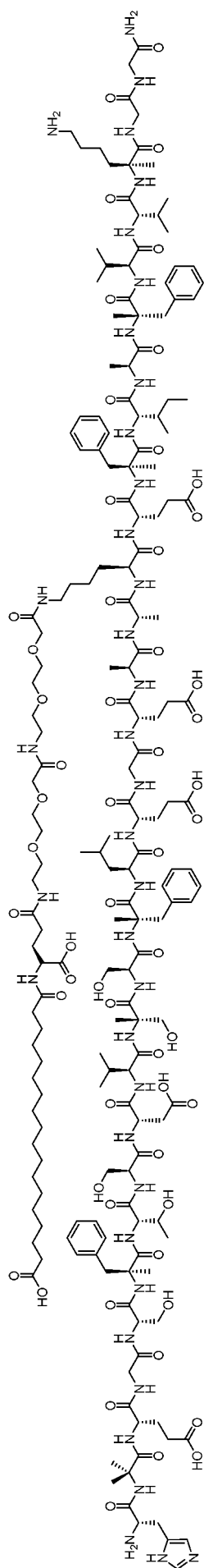


FIG 8

SEQ ID NO: 3

Chemical Formula: $C_{183}H_{286}N_{38}O_{57}$
Molecular Weight: 3930.51

SEQ ID NO: 17

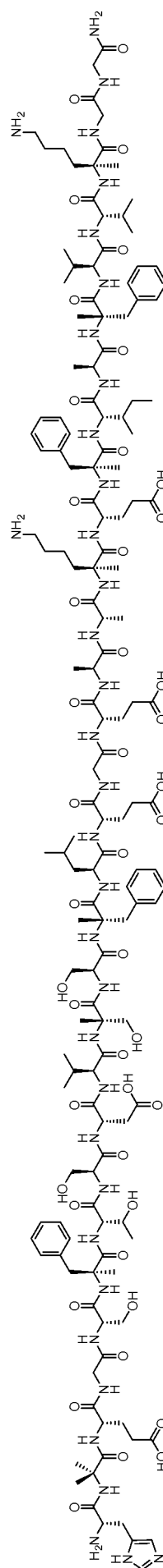
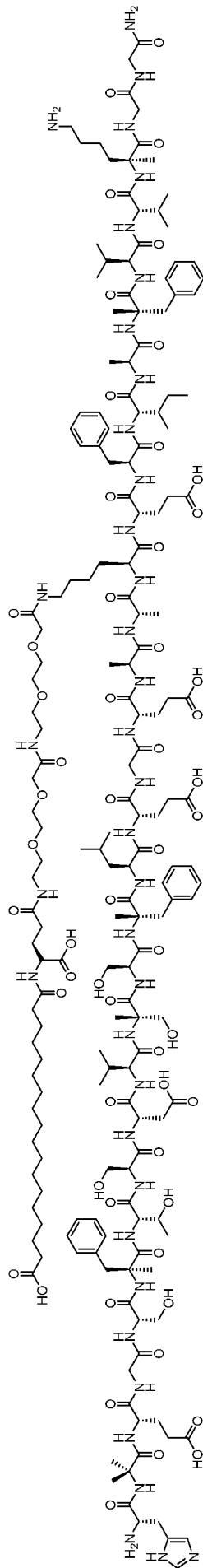
Chemical Formula: $C_{149}H_{227}N_{35}O_{45}$
Molecular Weight: 3228.66

FIG 9

SEQ ID NO: 48
Chemical Formula: $C_{182}H_{284}N_{38}O_{57}$
Molecular Weight: 3916.48



SEQ ID NO: 60
Chemical Formula: $C_{183}H_{284}N_{38}O_{59}$
Molecular Weight: 3960.49

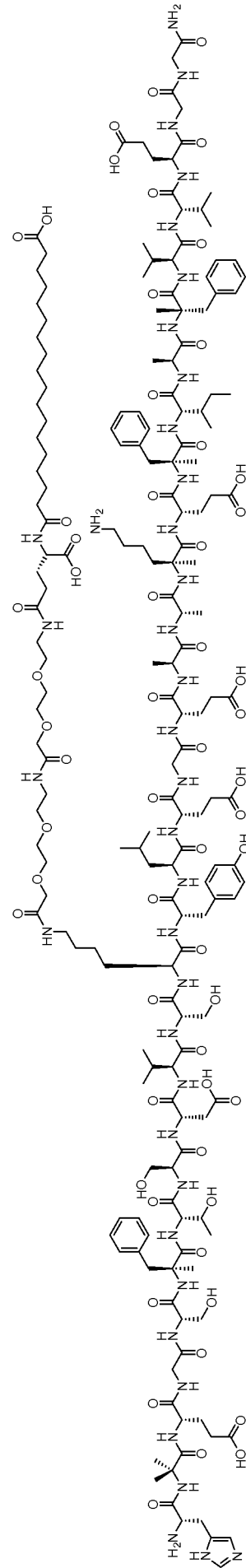
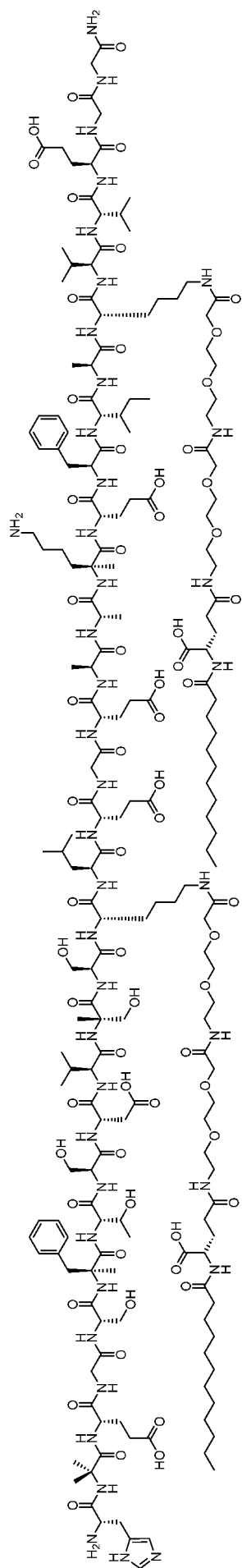


FIG 11

SEQ ID NO: 263

Chemical Formula: $C_{196}H_{322}N_{42}O_{67}$

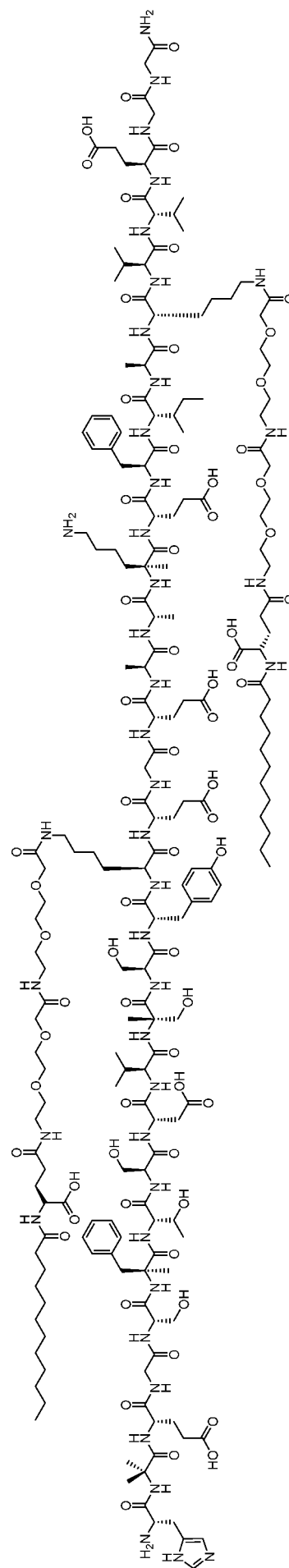
Molecular Weight: 4338.96



SEQ ID NO: 269

Chemical Formula: $C_{199}H_{320}N_{42}O_{68}$

Molecular Weight: 4388.98



SEQ ID NO: 405
Chemical Formula: C₁₉₇H₃₂₄N₄₂O₆₇
Molecular Weight: 4352.99

The chemical structure represents a complex polypeptide chain, SEQ ID NO: 405, with the molecular formula C₁₉₇H₃₂₄N₄₂O₆₇ and a molecular weight of 4352.99. The structure is a long, linear chain of amino acid residues linked by peptide bonds. The side chains are highly diverse, including hydroxyl groups, carboxylic acid groups, amine groups, and aromatic rings. The chain is shown in a complex, folded conformation, with various side chains extending outwards. The structure is a single chain, and the side chains are shown in a way that highlights their chemical diversity.

Molecular Weight: 4352.99

Molecular Weight: 4368.99

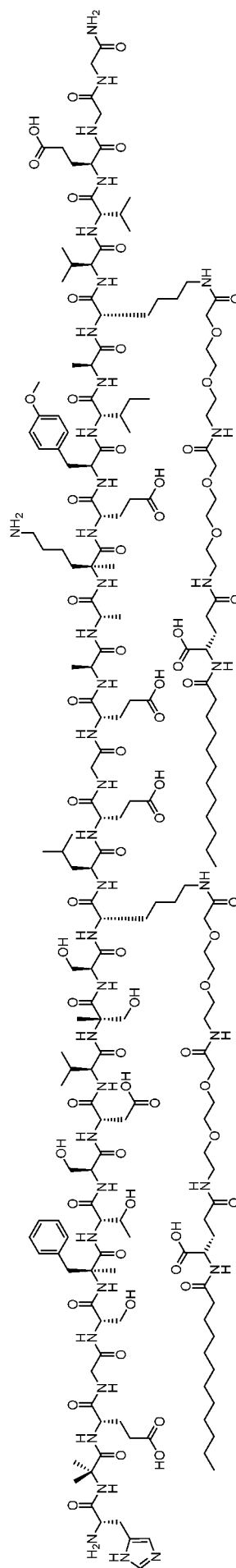
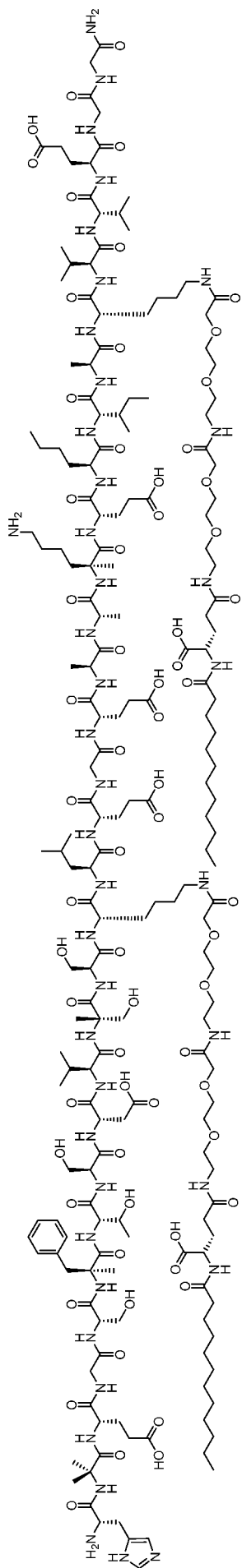


FIG 13

SEQ ID NO: 407
Chemical Formula: $C_{193}H_{324}N_{42}O_{67}$
Molecular Weight: 4304.94



SEQ ID NO: 408
Chemical Formula: $C_{201}H_{332}N_{42}O_{67}$
Molecular Weight: 4409.09

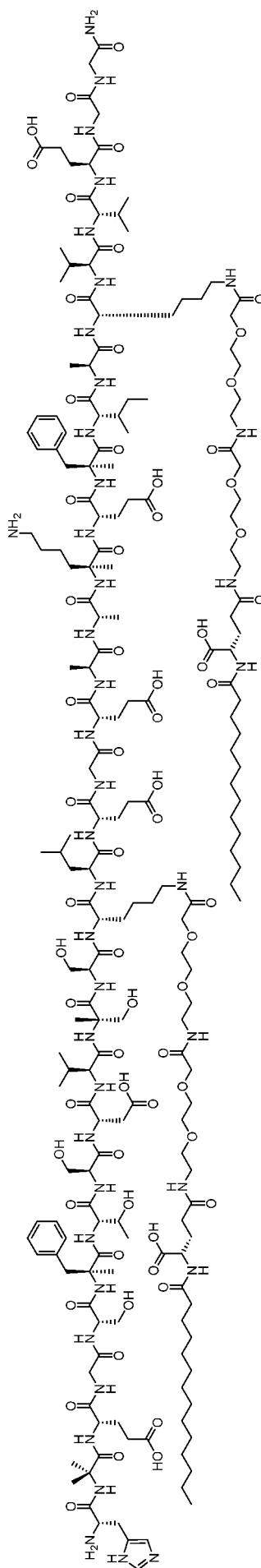
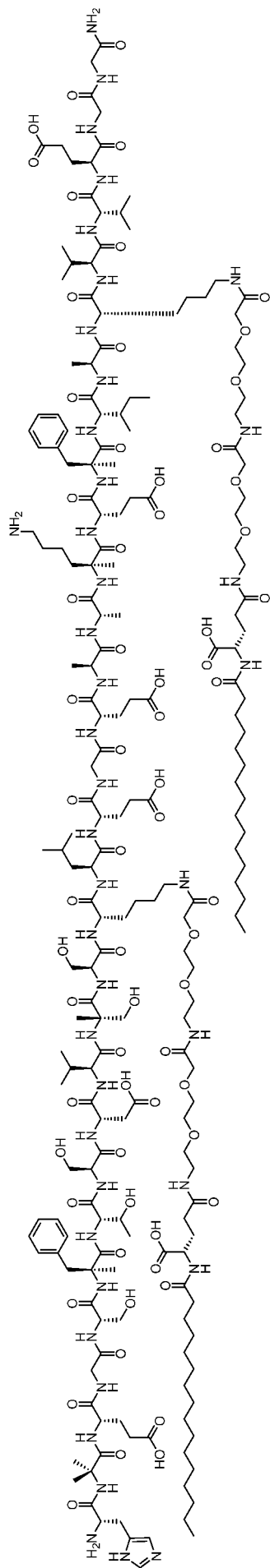


FIG 14

SEQ ID NO: 409

Chemical Formula: $C_{205}H_{340}N_{42}O_{67}$

Molecular Weight: 4465.20



SEQ ID NO: 410

Chemical Formula: $C_{209}H_{348}N_{42}O_{67}$

Molecular Weight: 4521.31

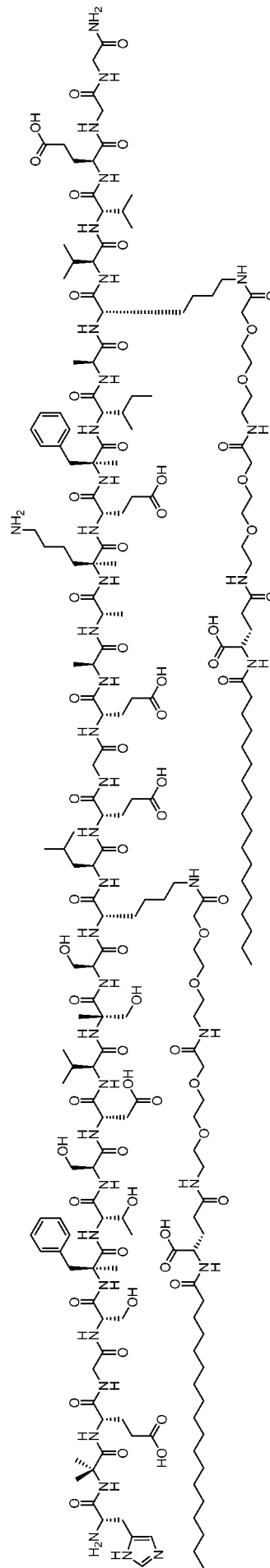
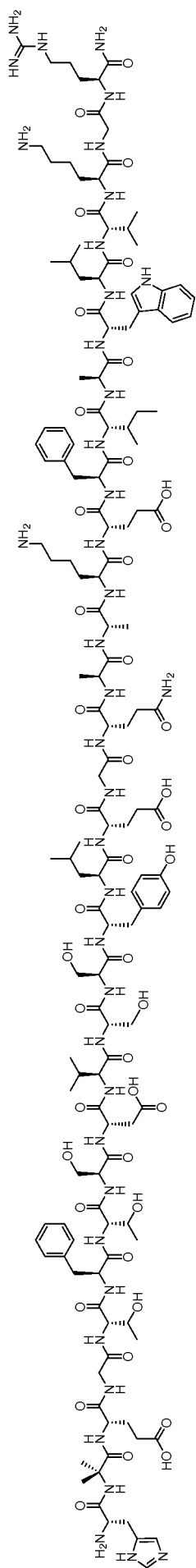


FIG 15

SEQ ID NO: 488
Chemical Formula: $C_{150}H_{228}N_{40}O_{45}$
Molecular Weight: 3311.71



SEQ ID NO: 489
Chemical Formula: $C_{170}H_{268}N_{38}O_{46}$
Molecular Weight: 3580.23

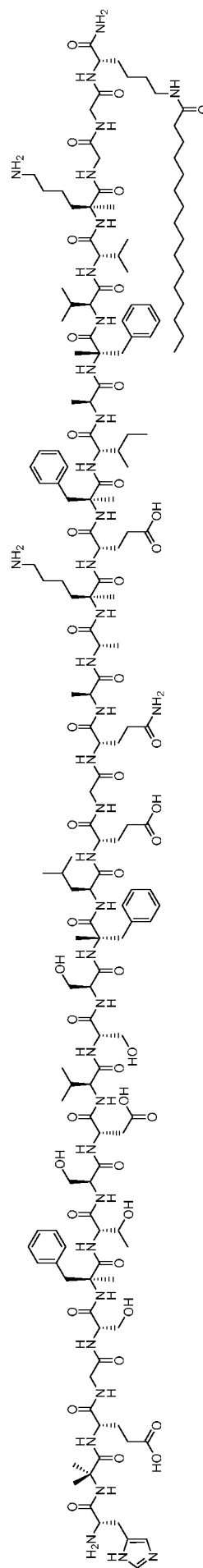
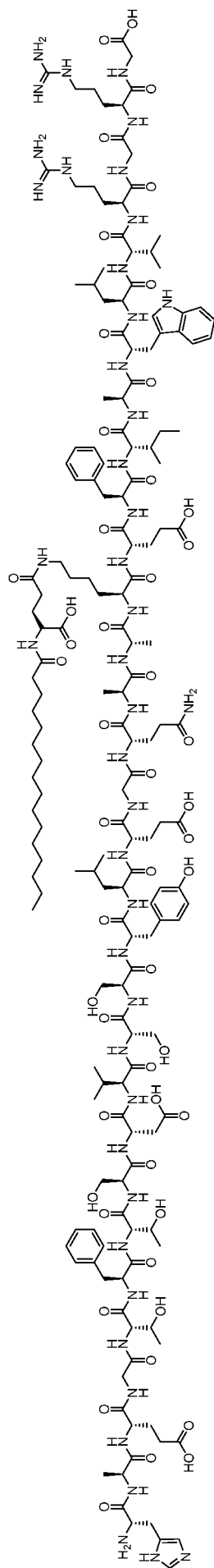


FIG 16

SEQ ID NO: 490 (Liraglutide)
Chemical Formula: C₁₇₂H₂₆₅N₄₃O₅₁
Molecular Weight: 3751.26



SEQ ID NO: 491 (Semaglutide)
Chemical Formula: $C_{187}H_{291}N_{45}O_{59}$
Molecular Weight: 4113.64

