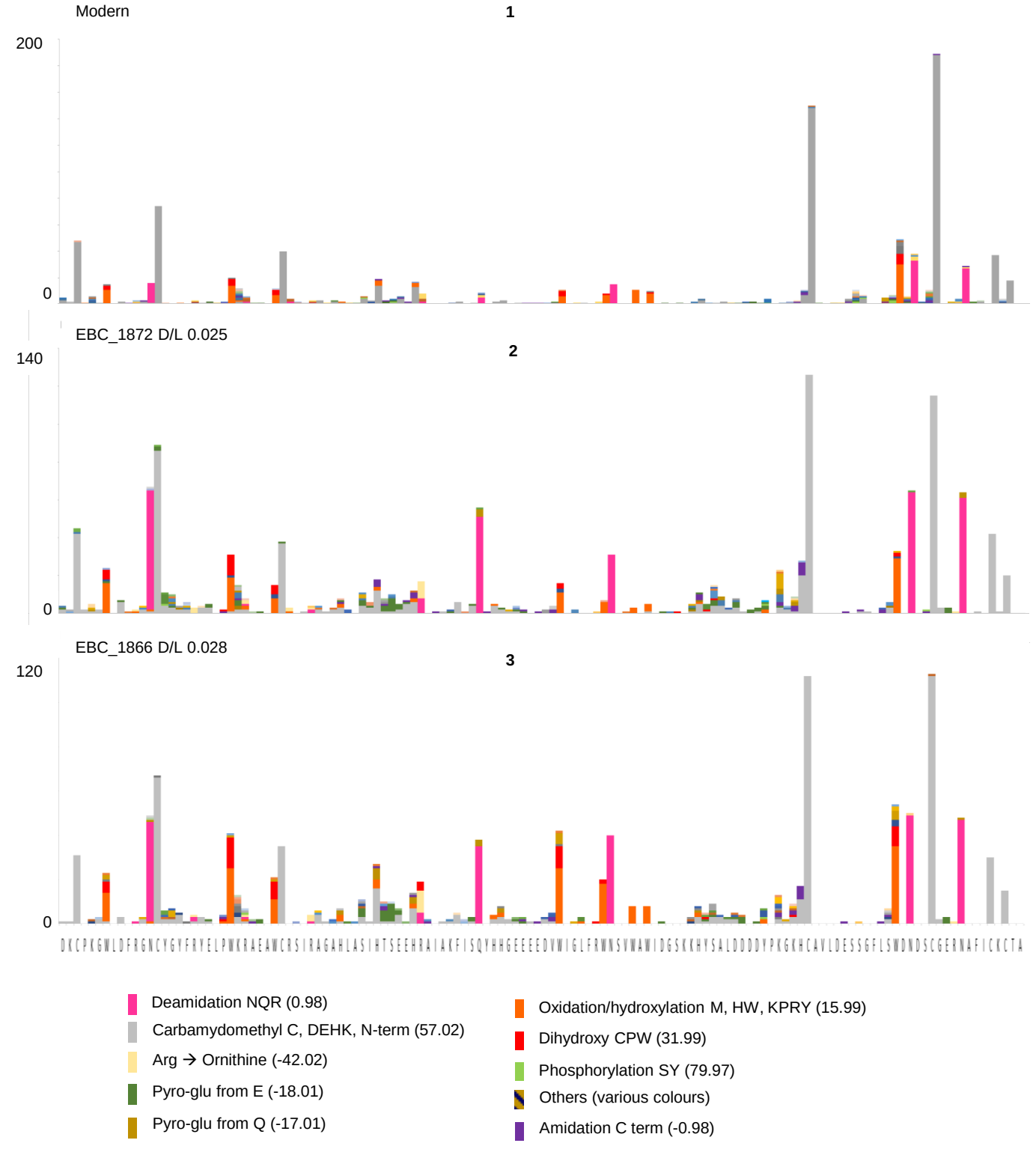
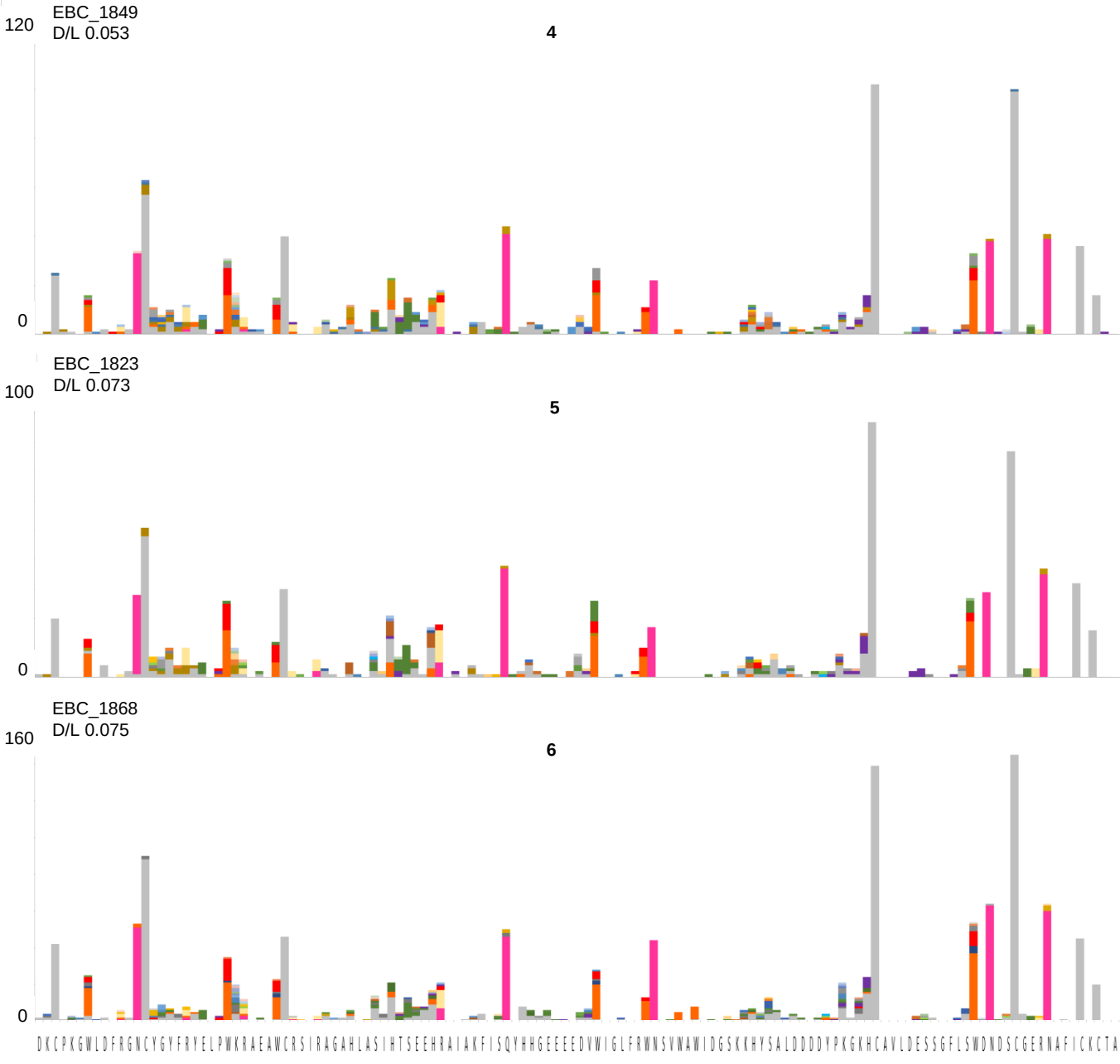
1-17: Frequency of common modifications detected in each position of the sequence of SCA-1 in all bleached OES samples.





Deamidation NQR (0.98)

Carbamydomethyl C, DEHK, N-term (57.02)

Arg → Ornithine (-42.02)

Pyro-glu from E (-18.01)

Pyro-glu from Q (-17.01)

Oxidation/hydroxylation M, HW, KPRY (15.99)

Dihydroxy CPW (31.99)

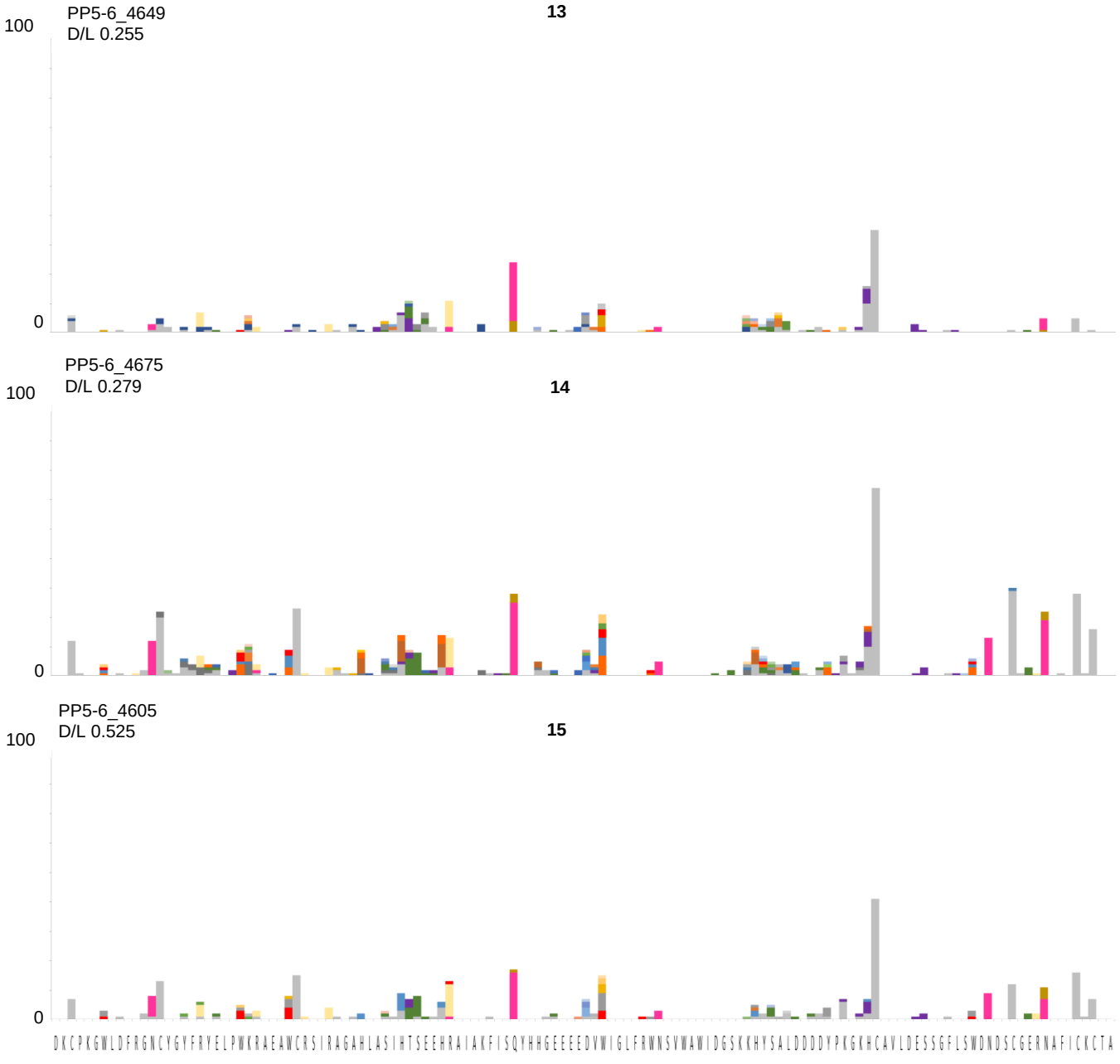
Phosphorylation SY (79.97)

Others (various colours)

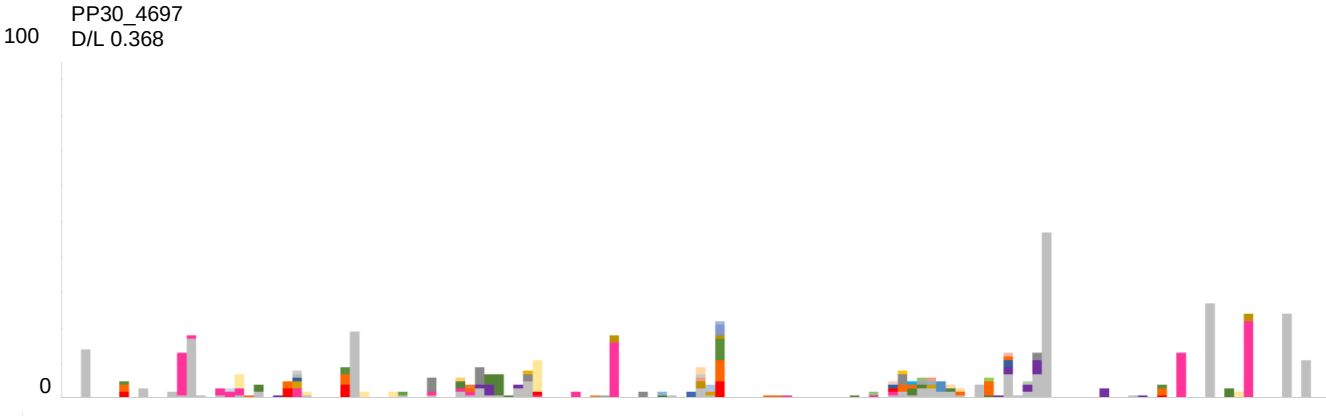
Amidation C term (-0.98)

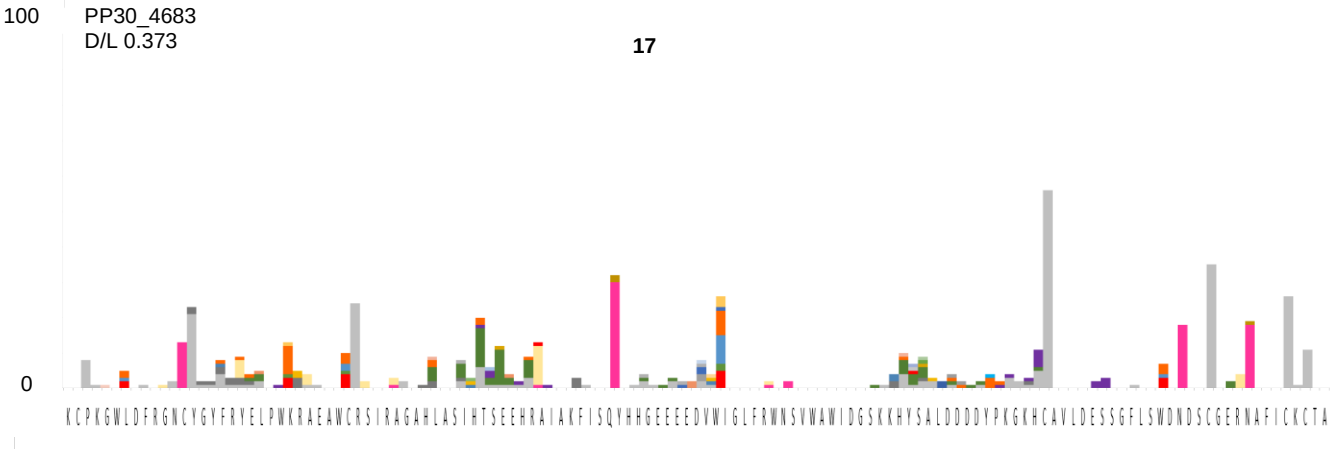

EBC_1850
D/L 0.08
70
0
7
EBC_1840
D/L 0.095
100
0
8
EBC_1819
D/L 0.112
100
0
9
D K C P K G W L D F R G W C Y G Y F R Y E L P W K R A E A W C R S I R A G A H L A S I H T S E E H R A I A K F I S Q Y H H G E E E E D V W I G L F R W N S Y V W A W I D G S K K H Y S A L D D D D Y P K G K H C A V L D E S S G F L S W D N D S C G E R N A F I C K C T A
Deamidation NQR (0.98)
Carbamydomethyl C, DEHK, N-term (57.02)
Arg → Ornithine (-42.02)
Pyro-glu from E (-18.01)
Pyro-glu from Q (-17.01)
Oxidation/hydroxylation M, HW, KPRY (15.99)
Dihydroxy CPW (31.99)
Phosphorylation SY (79.97)
Others (various colours)
Amidation C term (-0.98)


10
PP5-6_4613
D/L 0.210
100
0
11
PP5-6_4652
D/L 0.233
100
0
12
PP5-6_4671
D/L 0.242
100
0
D X C P K G W L D F R G N C Y G Y F R Y E L P W K R A E A W C R S I R A G A H L A S I H T S E E H R A I A K F I S Q Y H H G E E E E D V W I G L F R W N S V W A W I D G S K K H Y S A L D D D D Y P K G K H C A V L D E S S G F L S W D N D S C G E R N A F I C K C T A
Deamidation NQR (0.98)
Carbamydomethyl C, DEHK, N-term (57.02)
Arg → Ornithine (-42.02)
Pyro-glu from E (-18.01)
Pyro-glu from Q (-17.01)
Oxidation/hydroxylation M, HW, KPRY (15.99)
Dihydroxy CPW (31.99)
Phosphorylation SY (79.97)
Others (various colours)
Amidation C term (-0.98)


PP5-6_4649
D/L 0.255
13
100
0
PP5-6_4675
D/L 0.279
14
100
0
PP5-6_4605
D/L 0.525
15
100
0
DXCPKGWLDFRGNCYGYFRYELPWKRAEAWCRSIRAGAHLASIHTSEEHRAIAKFISQYHHGEEEEDVWIGLFRWNSVWAWIDGSKKHYSALDDDDYPKGK#CAVLDESSGFLSWDNDSCGERNAFICKCTA
Deamidation NQR (0.98)
Carbamydomethyl C, DEHK, N-term (57.02)
Arg → Ornithine (-42.02)
Pyro-glu from E (-18.01)
Pyro-glu from Q (-17.01)
Oxidation/hydroxylation M, HW, KPRY (15.99)
Dihydroxy CPW (31.99)
Phosphorylation SY (79.97)
Others (various colours)
Amidation C term (-0.98)

16

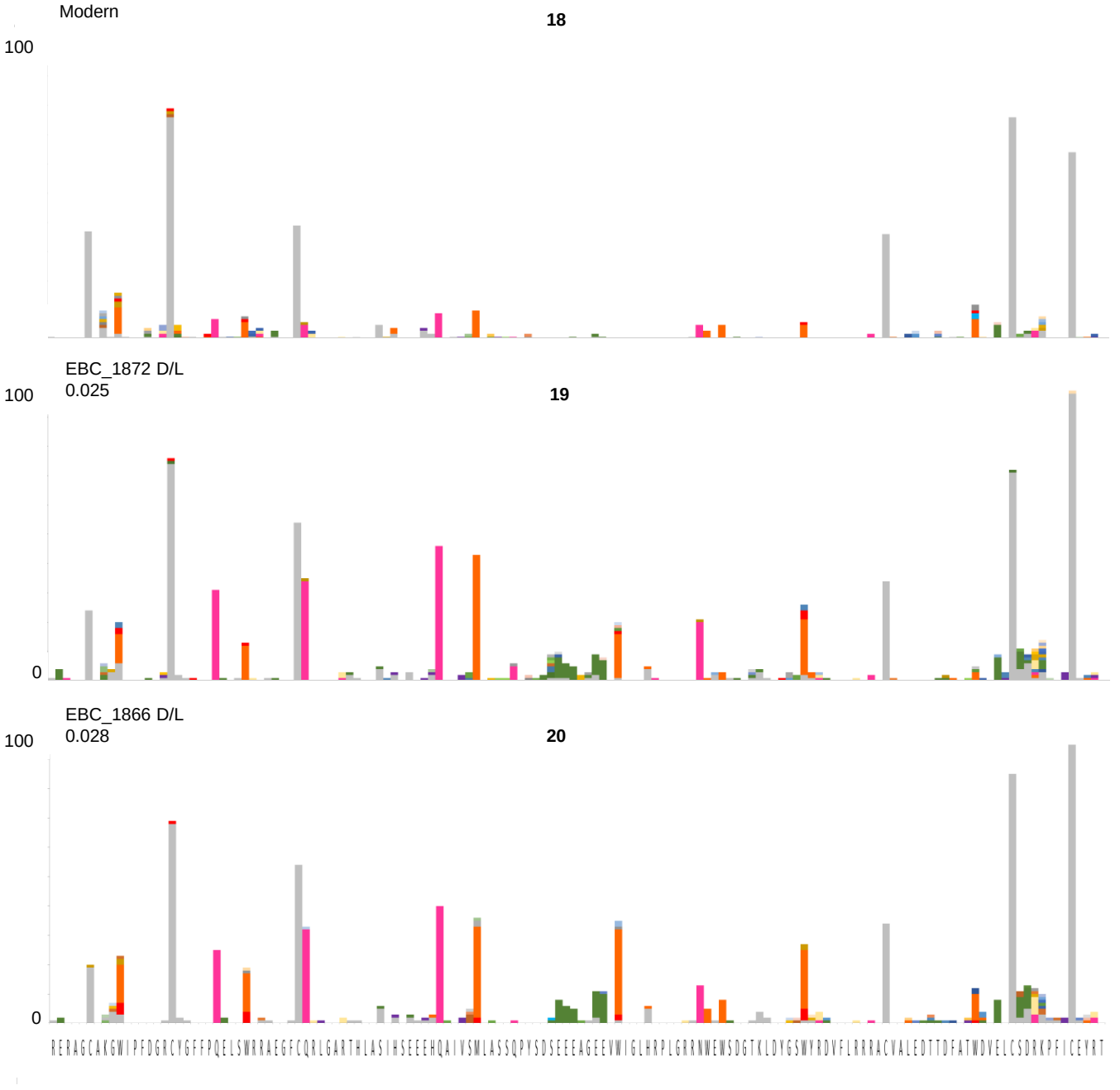


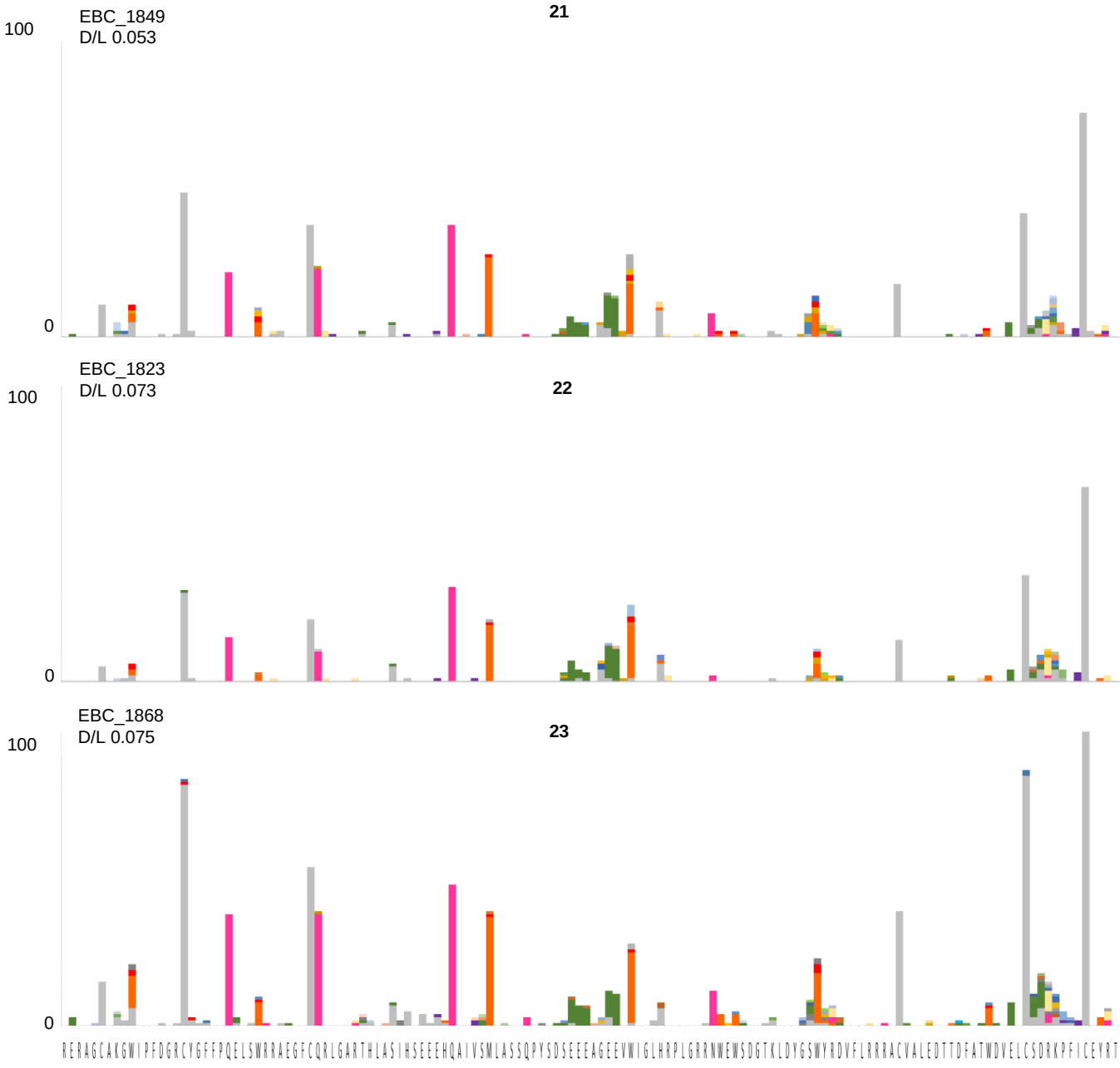


17

- Deamidation NQR (0.98)
- Carbamydomethyl C, DEHK, N-term (57.02)
- Arg → Ornithine (-42.02)
- Pyro-glu from E (-18.01)
- Pyro-glu from Q (-17.01)
- Oxidation/hydroxylation M, HW, KPRY (15.99)
- Dihydroxy CPW (31.99)
- Phosphorylation SY (79.97)
- Others (various colours)
- Amidation C term (-0.98)

18-34: Frequency of common modifications detected in each position of the sequence of SCA-2 in all bleached OES samples.





Deamidation NQR (0.98)

Carbamydomethyl C, DEHK, N-term (57.02)

Arg → Ornithine (-42.02)

Pyro-glu from E (-18.01)

Pyro-glu from Q (-17.01)

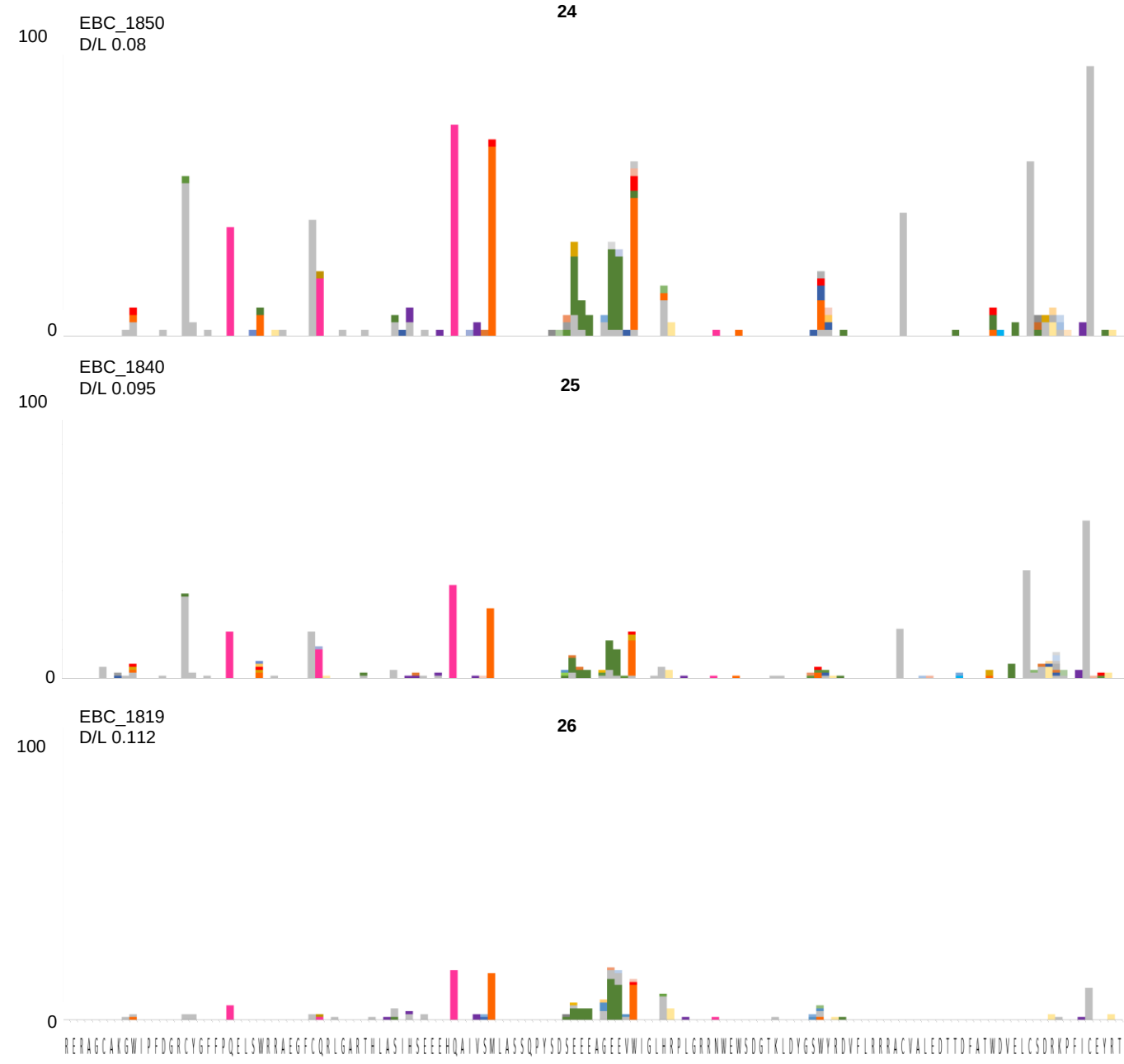
Oxidation/hydroxylation M, HW, KPRY (15.99)

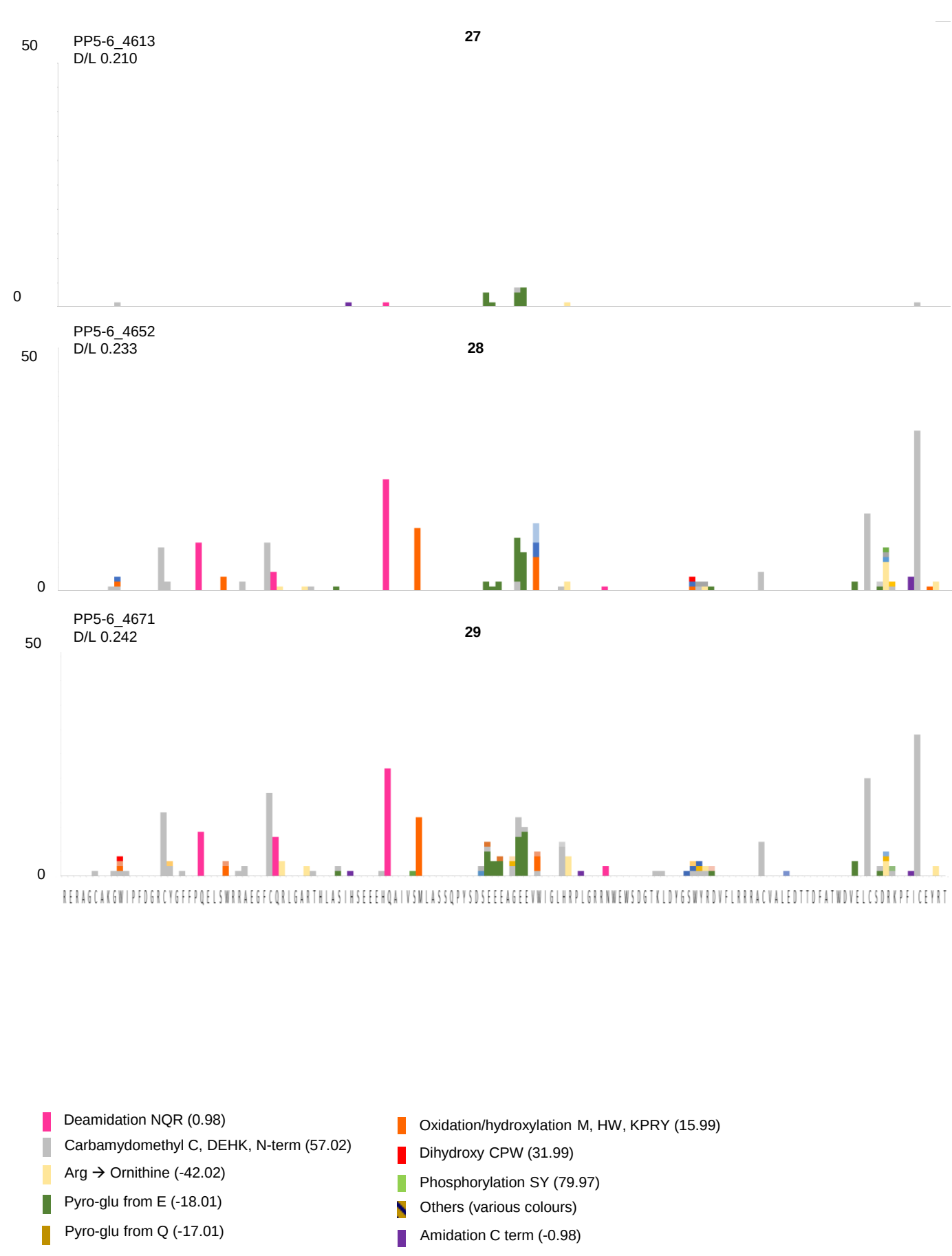
Dihydroxy CPW (31.99)

Phosphorylation SY (79.97)

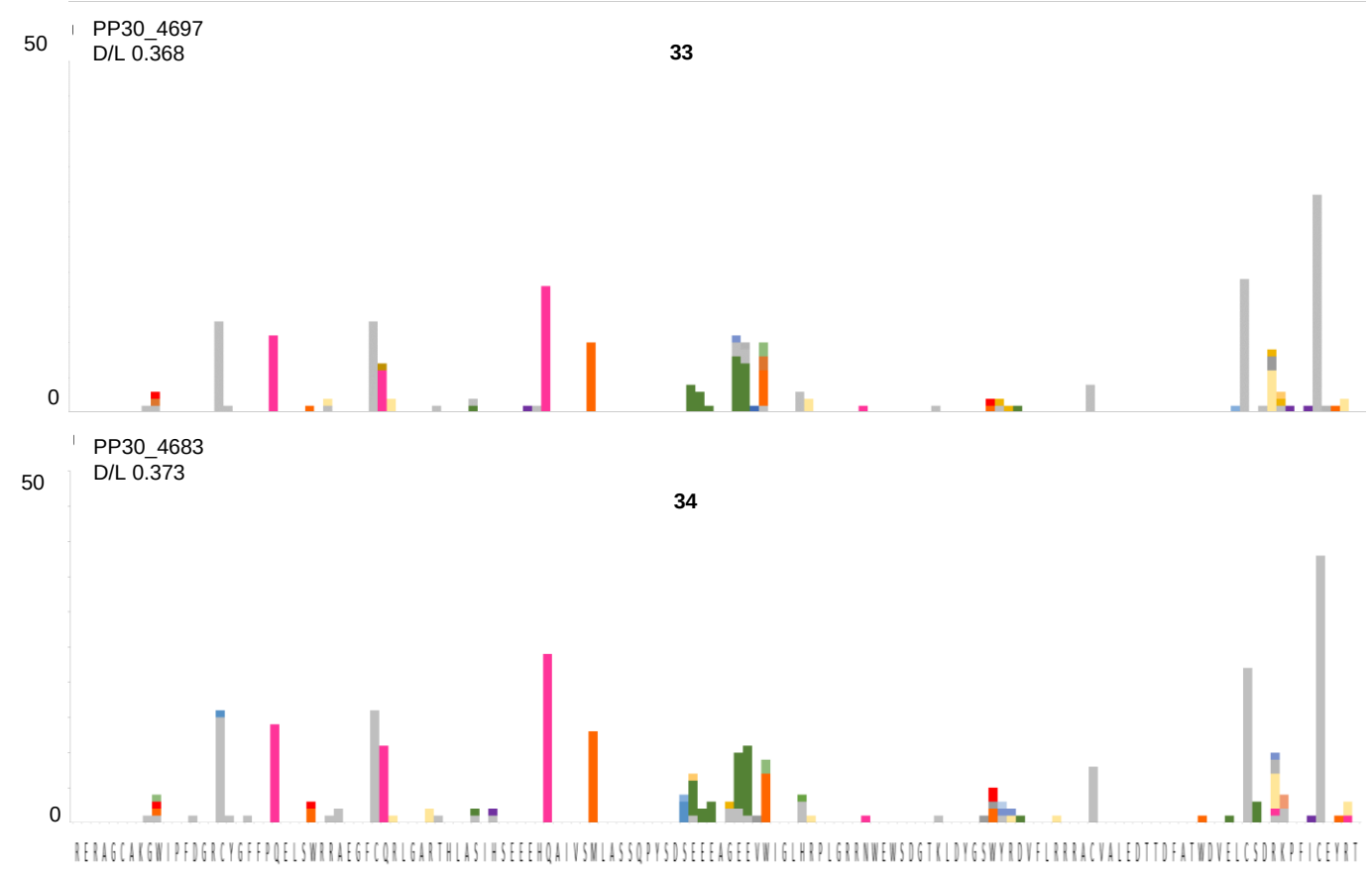
Others (various colours)

Amidation C term (-0.98)


24
EBC_1850
D/L 0.08
100
0
25
EBC_1840
D/L 0.095
100
0
26
EBC_1819
D/L 0.112
100
0
R E R A G C A K G W I P F D G R C Y G F F P Q E L S W R R A E G F C Q R L G A R T H L A S I H S E E E H Q A I V S M L A S S Q P Y S D S E E E A G E E V W I G L H R P L G R R N W E W S D G T K L D Y G S W Y R D V F L R R R A C V A L E D T T D F A T W D V E L C S D R K P F I C E Y R T
Deamidation NQR (0.98)
Carbamydomethyl C, DEHK, N-term (57.02)
Arg → Ornithine (-42.02)
Pyro-glu from E (-18.01)
Pyro-glu from Q (-17.01)
Oxidation/hydroxylation M, HW, KPRY (15.99)
Dihydroxy CPW (31.99)
Phosphorylation SY (79.97)
Others (various colours)
Amidation C term (-0.98)


PP5-6_4613
D/L 0.210
27
50
0
PP5-6_4652
D/L 0.233
28
50
0
PP5-6_4671
D/L 0.242
29
50
0
RERAGCAKGWIPFDGRCYGFFPQELSWRRAEGFCQRLGARTHLASIHSEEEHQAIVSWLASSQPYSDSEEEAGEEVWIGLHRPLGRRNWEWSDGTKLDYGSWYRDVFLRRRACVALEDTTDFATWDVELCSDRKPFICEYRT
Deamidation NQR (0.98)
Carbamydomethyl C, DEHK, N-term (57.02)
Arg → Ornithine (-42.02)
Pyro-glu from E (-18.01)
Pyro-glu from Q (-17.01)
Oxidation/hydroxylation M, HW, KPRY (15.99)
Dihydroxy CPW (31.99)
Phosphorylation SY (79.97)
Others (various colours)
Amidation C term (-0.98)

- Deamidation NQR (0.98)
- Carbamydomethyl C, DEHK, N-term (57.02)
- Arg → Ornithine (-42.02)
- Pyro-glu from E (-18.01)
- Pyro-glu from Q (-17.01)
- Oxidation/hydroxylation M, HW, KPRY (15.99)
- Dihydroxy CPW (31.99)
- Phosphorylation SY (79.97)
- Others (various colours)
- Amidation C term (-0.98)



- Deamidation NQR (0.98)
- Carbamydomethyl C, DEHK, N-term (57.02)
- Arg → Ornithine (-42.02)
- Pyro-glu from E (-18.01)
- Pyro-glu from Q (-17.01)
- Oxidation/hydroxylation M, HW, KPRY (15.99)
- Dihydroxy CPW (31.99)
- Phosphorylation SY (79.97)
- Others (various colours)
- Amidation C term (-0.98)