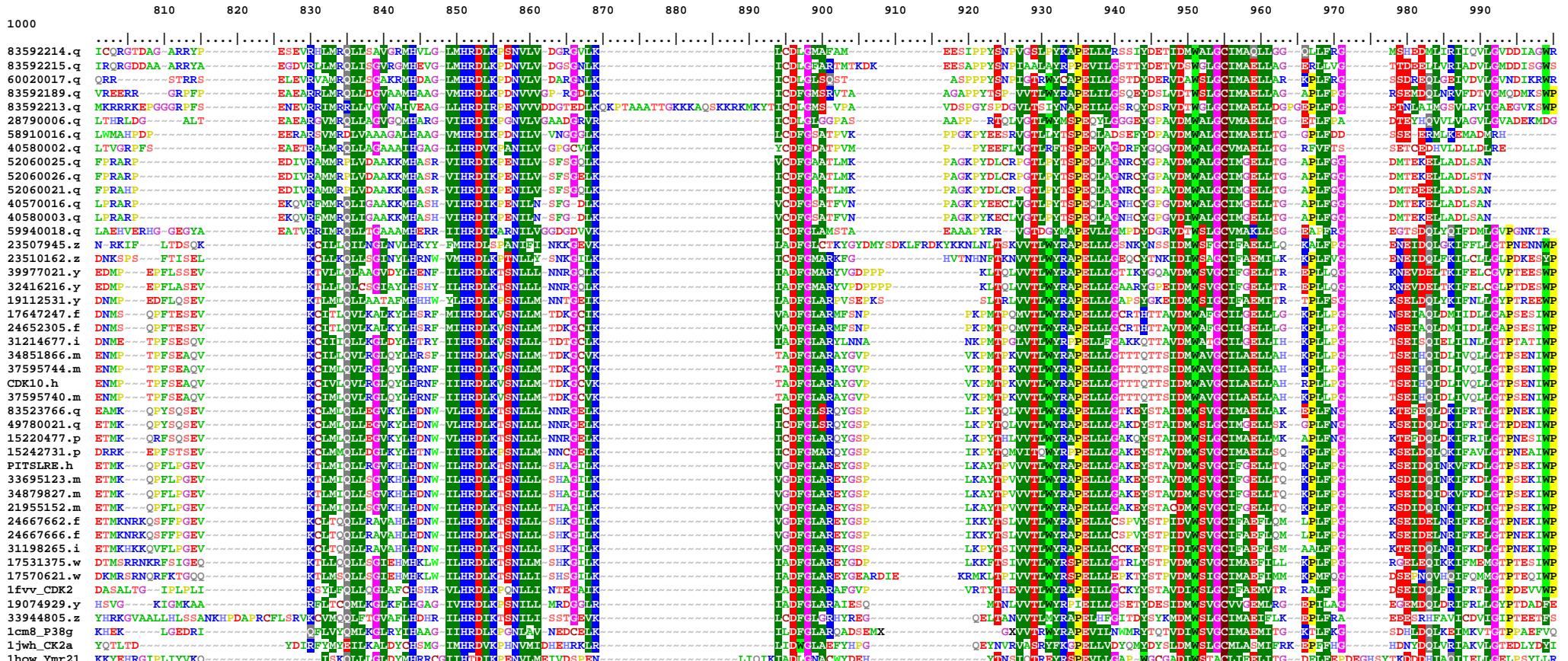


The figure displays a sequence logo plot for 190 proteins, showing the conservation of amino acid positions. The x-axis represents positions from 10 to 190, and the y-axis lists protein identifiers. A dashed horizontal line is drawn at position 100. The plot uses color coding: black for hydrophobic, red for polar, blue for acidic, green for basic, and orange for aromatic amino acids.

Key features include:

- Conservation:** Positions 10-100 are mostly black (hydrophobic), while positions 101-190 show more variation with colored residues.
- Color Coding:**
 - Black: Hydrophobic (e.g., I, L, V, F, W, Y)
 - Red: Polar (e.g., S, T, C, H, P, G)
 - Blue: Acidic (e.g., D, E)
 - Green: Basic (e.g., R, K)
 - Orange: Aromatic (e.g., Y, W, F)
- Reference Line:** A dashed horizontal line is positioned at position 100.
- Protein List:** The y-axis lists the following proteins:
 - 83592214.q, 83592215.q, 60020017.q, 83592189.q, 83592213.q, 28790006.q, 58910016.q, 40580002.q, 52060025.q, 52060026.q, 52060021.q, 40570016.q, 40580003.q, 59940018.q, 23507945.z, 23510162.z, 39977021.y, 32416216.y, 19112531.y, 17647247.f, 24652305.f, 31214677.i, 34851866.m, 37595744.m, CDK10.h, 37595740.m, 83523766.q, 49780021.q, 15220477.p, 15242731.p, PITSLRE.h, 33695123.m, 34879827.m, 21955152.m, 24667662.f, 24667666.q, 31198265.i, 17531375.w, 17570621.w, 1fvv_CDK2, 19074929.y, 33944805.z, lcm8_P38g, 1jwh_CK2a, lhow_Ymr21
 - 400: 83592214.q, 83592215.q, 60020017.q, 83592189.q, 83592213.q, 28790006.q, 58910016.q, 40580002.q, 52060025.q, 52060026.q, 52060021.q, 40570016.q, 40580003.q, 59940018.q, 23507945.z, 23510162.z, 39977021.y, 32416216.y, 19112531.y, 17647247.f, 24652305.f, 31214677.i, 34851866.m, 37595744.m, CDK10.h, 37595740.m, 83523766.q, 49780021.q, 15220477.p, 15242731.p, PITSLRE.h, 33695123.m, 34879827.m, 21955152.m, 24667662.f, 24667666.q, 31198265.i, 17531375.w, 17570621.w, 1fvv_CDK2, 19074929.y, 33944805.z, lcm8_P38g, 1jwh_CK2a, lhow_Ymr21



1210 1220 1230 1240 1250

....|....|....|....|....|....|....|....|....|....
83592214.q
83592215.q
60020017.q
83592189.q
83592213.q
28790006.q **DDAEGLGGSMAEDDN**EAAAGRSQDSWRRWLVAATTVTGMAALDG
58910016.q
40580002.q
52060025.q
52060026.q
52060021.q
40570016.q
40580003.q
59940018.q
23507945.z
23510162.z
39977021.y **GIFAR PEREEKGAGFOLRMI**
32416216.y **SL**
-GGIFGSGREEREERGGGFSLRMV
19112531.y **NVFQSFRSASPKK**
17647247.f **ISDLINVPIKKQRME**
24652305.f **ISDLINVPIKRQRME**
31214677.i **V**
-GGQAPTIISDLIGSLIKRRFD
34851866.m **SKRCP**
37595744.m **SKRCP**
CDK10.h **SKRCKP**
37595740.m **SKRCP**
83523766.q **EQRKEL QGNIGNRGLFG**
49780021.q **EQRME QGNNGDRGLFG**
15220477.p **EQRKELTQTELGSGLFG**
15242731.p
PITSLR.E.h **LKETGFHLTTTNGAS**
33695123.m **LKETGFHLTTTNGAS**
34879827.m **LKETGFHLTTTNGAS**
21955152.m **LKETGFHLTTTNDGAV**
24667662.f **IIVGPGNKLSSGIITGNKKSHGAGGSSASTGFVLNAGITQRQLAMGPGFSLKF**
24667666.f **IIVGPGNKLSSGIITGNKKSHGAGGSSASTGFVLNAGITQRQLAMGPGFSLKF**
31198265.i **-AVPDNAGEHLLGGTTYAES**
17531375.w **-LLKQFEPVRPEQVKPGFSLKFDPTRF**
17570621.w **-LLRQFNVKAEQLKPSGFQLRG**
1fvv_CDK2
19074929.y
33944805.z **AIPQALESCCGGDNEETCGPGETVRNAESP**TADVLRAAASNIDEEVEVEVRR
1cm8_P38g **FKPF**RQLGARVSKETPL
1jwh_CK2a
1how_Ymr21