

Kinase	Family	Experimental logo	Predicted logo	Top motifs	Partners	Partner sites	Experimental sites	Pauc
CLK1	CMGC_CLK			<p>...SR[ST]RS..R (20)</p> <p>...S.[ST]RSRS. (15)</p> <p>.SRS.[ST]P... (11)</p> <p>...R[ST]RS..R (14)</p> <p>R.RS.[ST]R... (12)</p>	48	75/1024	4	1.00
LIMK2	TKL_LISK			<p>..RRR[ST].S... (14)</p> <p>...RR[ST]RS... (10)</p> <p>R.RS.[ST].T... (16)</p> <p>R..S.[ST]SP... (19)</p> <p>.RR..[ST].SS.. (14)</p>	22	73/672	0	1.00
SRPK1	CMGC_SRPK			<p>...SR[ST]RS..R (18)</p> <p>...K[ST]RS.S. (11)</p> <p>.SRS.[ST]P... (13)</p> <p>R..S.[ST].S..R (12)</p> <p>...RR[ST].S..R (11)</p>	45	65/868	19	1.00
TNK2	TK_Ack			<p>.....Y.VPP. (10)</p>	59	10/263	3	1.00

CSNK1G2 CK1_CK1

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (10)

22

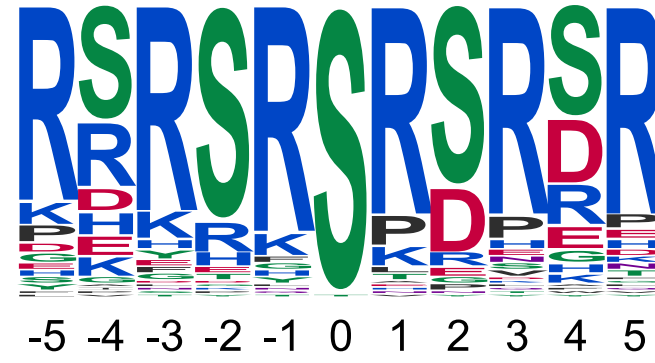
10/160

1

0.99

SRPK2 CMGC_SRPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



R.RS.[ST]...R (23)
...R[ST]RS..R (25)
..RSR[ST].D... (12)
...S.[ST]RS.S. (12)
R.R.R[ST]..... (12)

29

85/468

1

0.99

CSNK1G1 CK1_CK1

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (11)

23

11/187

6

0.98

CSNK1A1L CK1_CK1

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (10)

20

10/176

1

0.97

NTRK2 TK_Trk

-5 -4 -3 -2 -1 0 1 2 3 4 5



....YM.M.. (13)

47

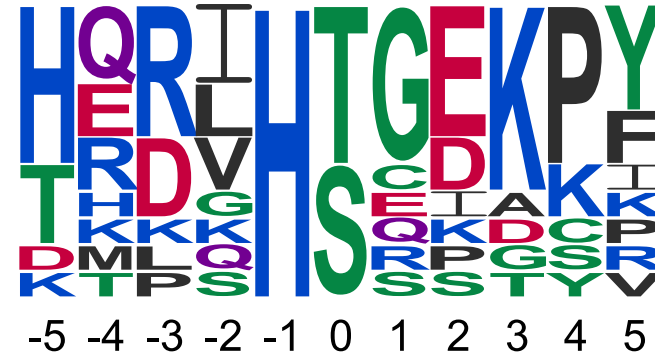
13/296

11

0.97

MAST1 AGC_MAST

-5 -4 -3 -2 -1 0 1 2 3 4 5



....H[ST]..... (11)

9

11/51

0

0.96

EPHA4 TK_Eph

-5 -4 -3 -2 -1 0 1 2 3 4 5



...P.Y...E. (12)

53

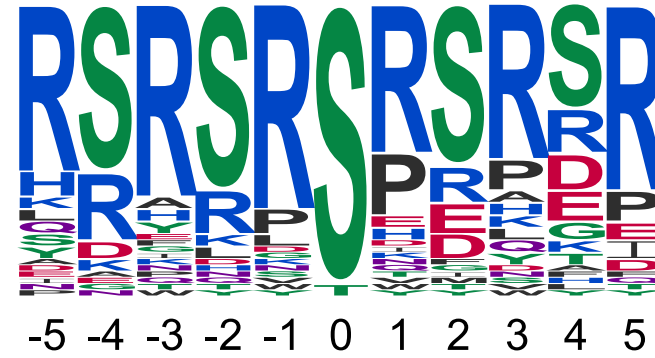
12/252

2

0.95

CLK4 CMGC_CLK

-5 -4 -3 -2 -1 0 1 2 3 4 5



R.RS.[ST]..R.. (11)
R.R.R[ST]..... (11)
....R[ST]RS... (12)
.S...[ST]....R (13)

10

47/156

1

0.92

STK38L AGC_NDR

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RS.[ST]..... (14)

13

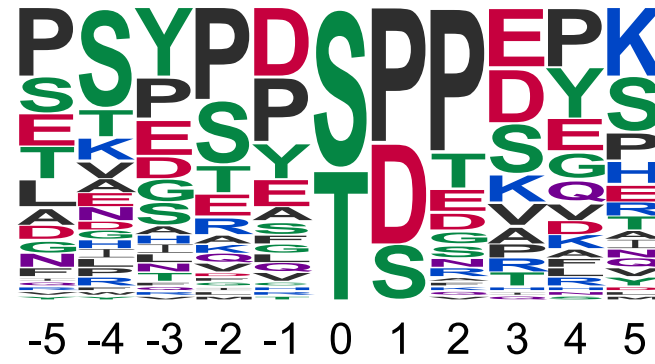
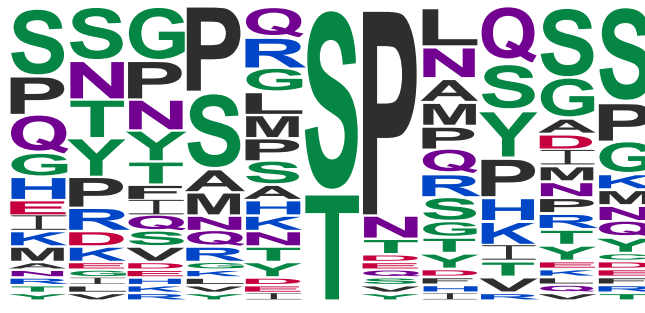
14/128

3

0.92

CDK9 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.S...[ST]D.E.. (11)
.....[ST]P..PK (10)
...D[ST]D.D.. (11)
P.Y..[ST]SP... (12)
...P.[ST]PP... (19)

198

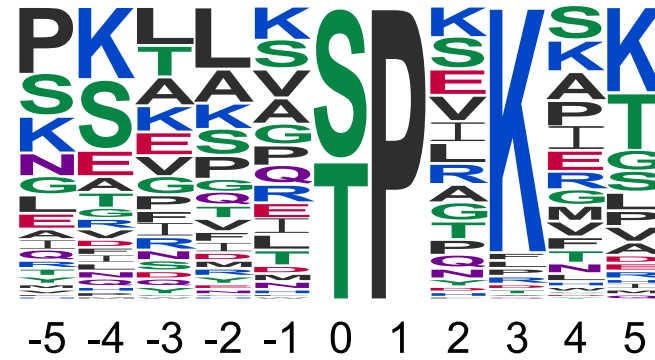
63/2419

38

0.90

CDK1 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.K...[ST]P.K.. (28)
P....[ST]P.K.. (24)
...L.[ST]P.K.. (20)
.....[ST]P.K.T (18)
.S...[ST]P...K (22)

598

112/8698

401

0.88

ERN2 Other_IRE

-5 -4 -3 -2 -1 0 1 2 3 4 5



....G[ST]..... (10)

6

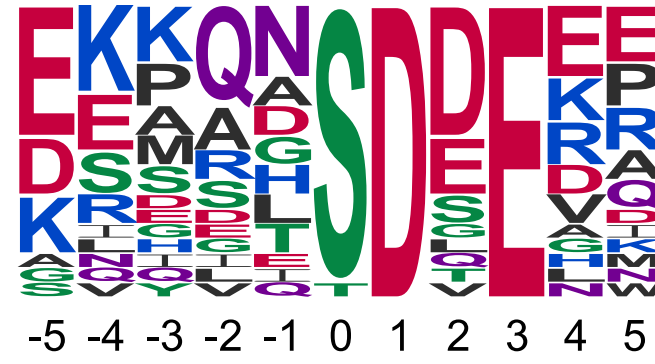
10/23

0

0.86

MAPK6 CMGC_MAPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]D.E... (20)

23

20/216

3

0.86

STRADA STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (14)

34

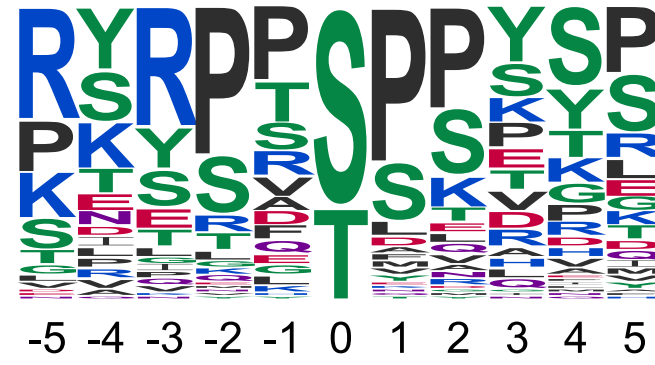
14/273

0

0.86

CDK8 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



K..P.[ST]P.... (13)
P.Y..[ST]SP... (12)
...P.[ST]PP... (14)
...P.[ST]P.Y.. (13)
R.R..[ST]..... (27)

107

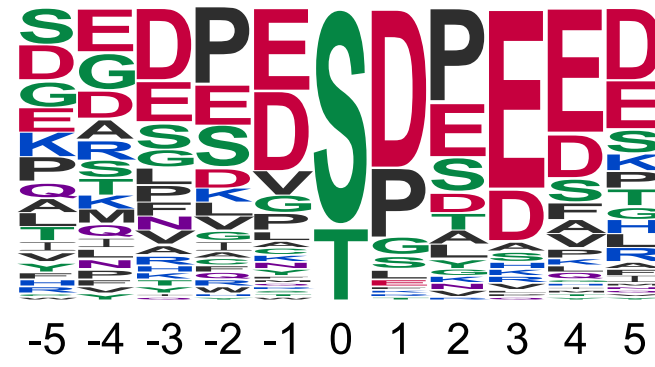
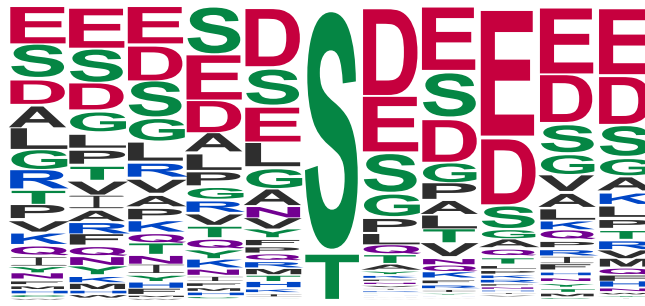
83/1600

9

0.85

CSNK2A1 CMGC_CK2

-5 -4 -3 -2 -1 0 1 2 3 4 5



..D..[ST]D.E... (15)
....D[ST]D.D.. (15)
.....[ST]D.E.D (13)
...P.[ST]PP... (20)
....E[ST]...EE. (20)

265

84/3534

476

0.85

STRADB STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (16)

24

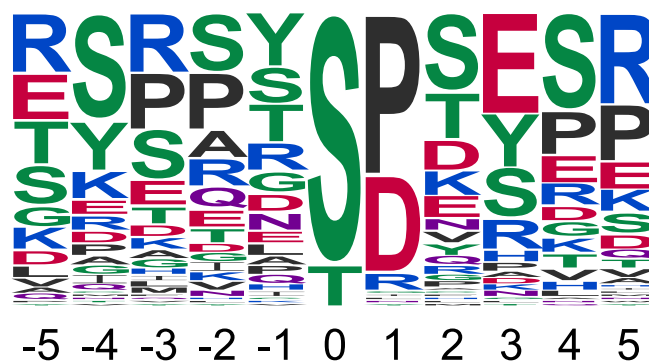
16/235

0

0.83

CDK12 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.S..Y[ST]P.... (15)
...P.[ST]P.Y.. (16)
.....[ST]D.E.. (31)
.....[ST]P...R (20)
R.R..[ST].S... (11)

28

93/557

5

0.82

CSNK2A2 CMGC_CK2

-5 -4 -3 -2 -1 0 1 2 3 4 5



.S...[ST]D.E.. (11)
..D..[ST]..EE. (13)
..S...[ST]..EE.. (16)
.....[ST].DE.. (35)
.....[ST]P.K.. (32)

122

107/1694

20

0.82

EEF2K Atypical_Alpha

-5 -4 -3 -2 -1 0 1 2 3 4 5



R.R..[ST]..... (16)

33

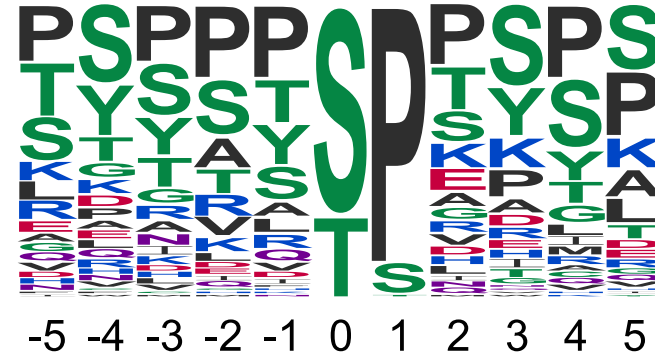
16/358

9

0.82

HIPK1 CMGC_DYRK

-5 -4 -3 -2 -1 0 1 2 3 4 5

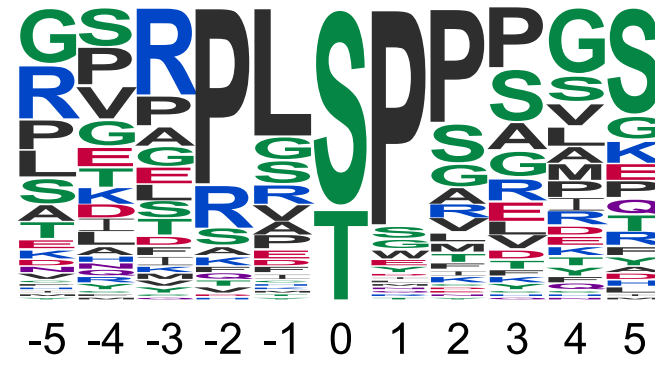


...P.[ST]P.Y.. (15)
 ..P.Y[ST]P.... (13)
 P.Y..[ST]....S (11)
[ST]P.... (52)

13 91/270 0 0.79

MAPK1 CMGC_MAPK

-5 -4 -3 -2 -1 0 1 2 3 4 5

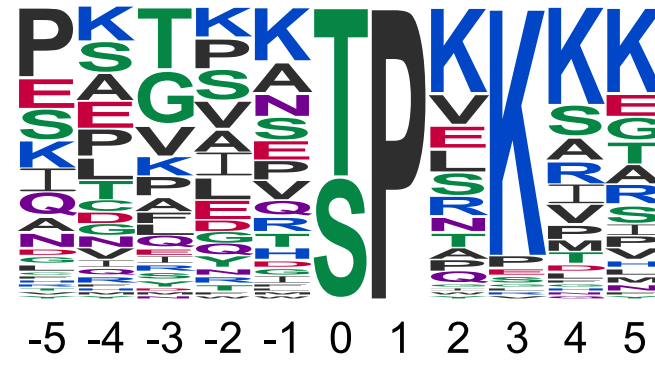


...P.[ST]PPP.. (11)
 ...PL[ST]P.... (34)
 G.RR.[ST]..... (11)
[ST]PP..S (19)
 R.R..[ST]...G. (10)

491 86/5374 354 0.79

CDK2 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5

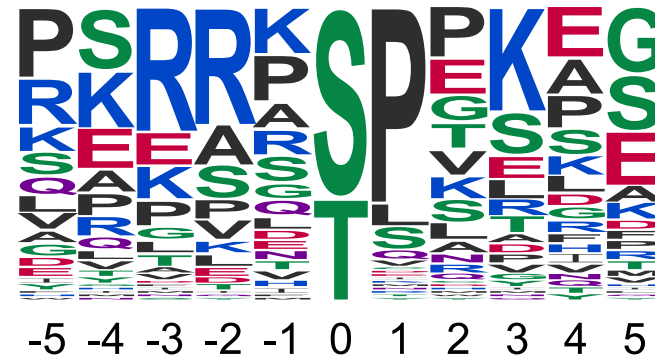


.....[ST]PKK.. (21)
 P....[ST]P.K.. (15)
 ..T..[ST]P.K.. (13)
 ..G..[ST]P.K.. (11)
[ST]P..KK (14)

434 74/5489 546 0.78

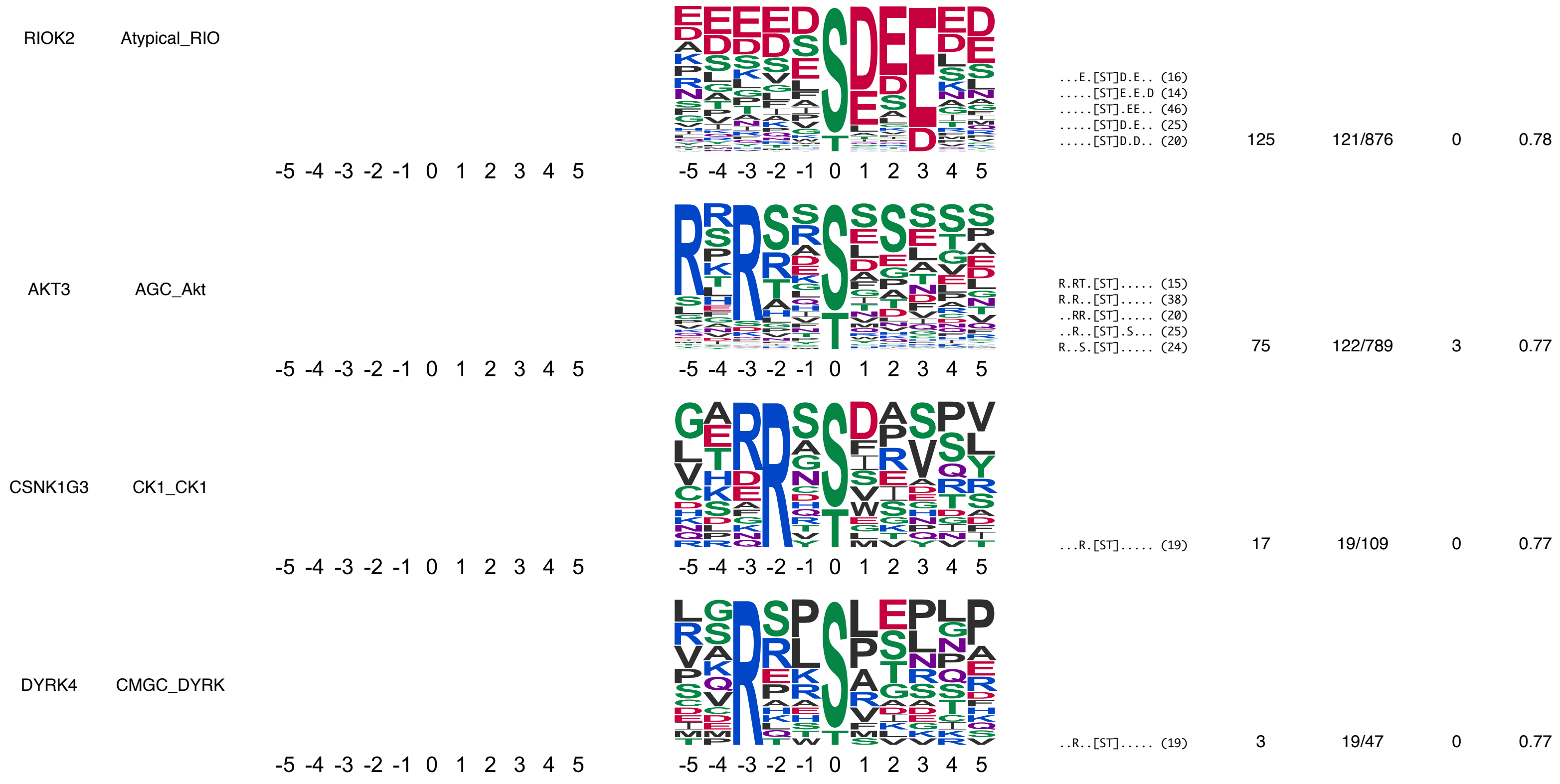
CDK5 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



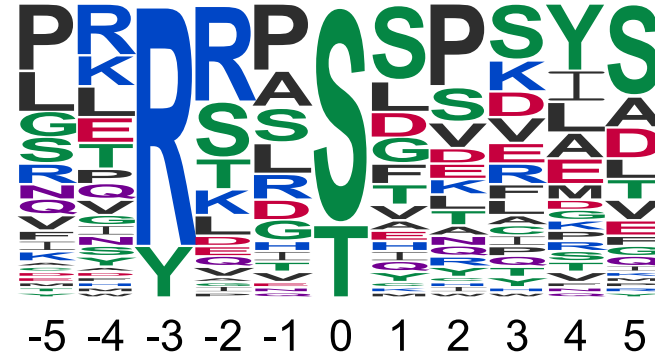
P....[ST]P.K.. (18)
 .K...[ST]P.K.. (10)
[ST]PP..S (10)
 .S...[ST]P...G (15)
 ..RR.[ST]..... (29)

164 87/2021 120 0.78



GUCY2F RGC_RGC

-5 -4 -3 -2 -1 0 1 2 3 4 5

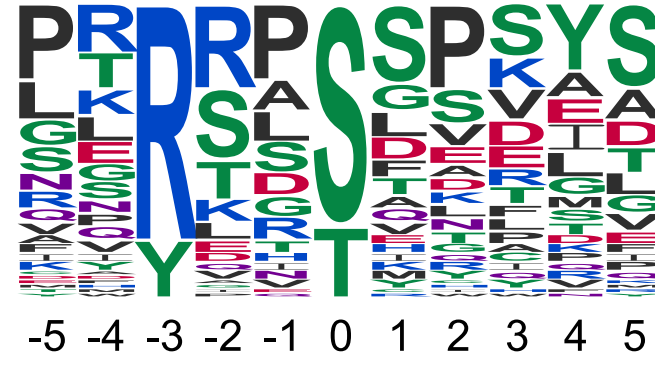


....P[ST]...YS (10)
..RR.[ST]..... (19)
..R..[ST]..... (28)

61 57/223 0 0.77

NPR2 RGC_RGC

-5 -4 -3 -2 -1 0 1 2 3 4 5



P.Y..[ST].P... (13)
..RR.[ST]..... (19)
..R..[ST]..... (34)

57 66/248 0 0.77

RIOK3 Atypical RIO

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]...E.. (24)

13 24/103 0 0.77

TIE1 TK_Tie

-5 -4 -3 -2 -1 0 1 2 3 4 5

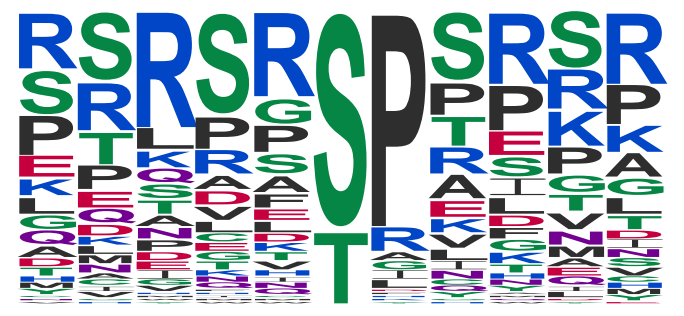


.....YD..... (17)

37 17/89 0 0.77

CDK11A CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



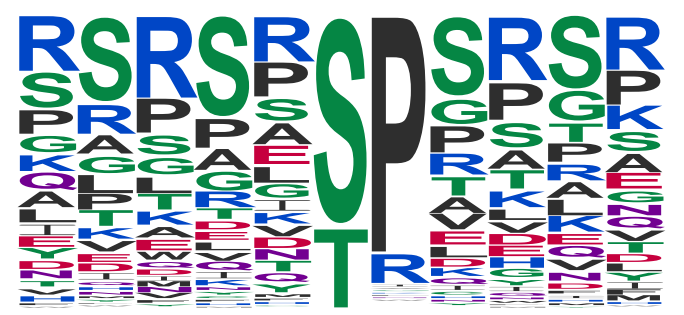
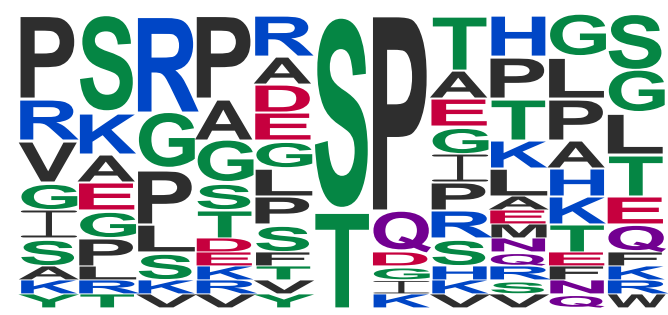
-5 -4 -3 -2 -1 0 1 2 3 4 5

R.RS.[ST]...R (11)
..R.R[ST]..... (18)
.....[ST]P.... (66)

35 95/425 0 0.76

DYRK1A CMGC_DYRK

-5 -4 -3 -2 -1 0 1 2 3 4 5



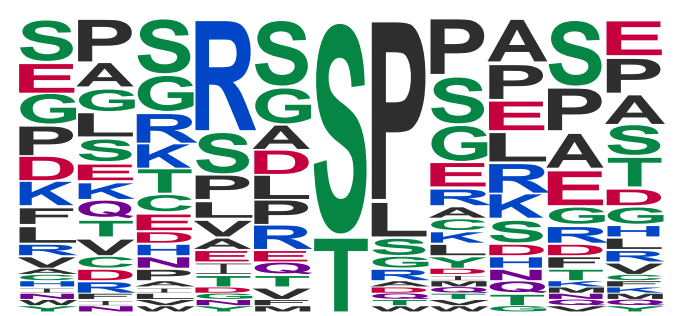
-5 -4 -3 -2 -1 0 1 2 3 4 5

...S.[ST]RSRS. (18)
R.RS.[ST]...R (12)
.SRS.[ST]P.... (10)
..RS.[ST].S... (18)
.....[ST]P.... (194)

56 252/673 21 0.76

MAPK15 CMGC_MAPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

.....[ST]P.... (29)
...R.[ST]..... (18)

7 47/119 10 0.76

NRBP1 Other_NRBP

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (17)

33 17/83 0 0.76

ULK3 Other_ULK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (21)

6

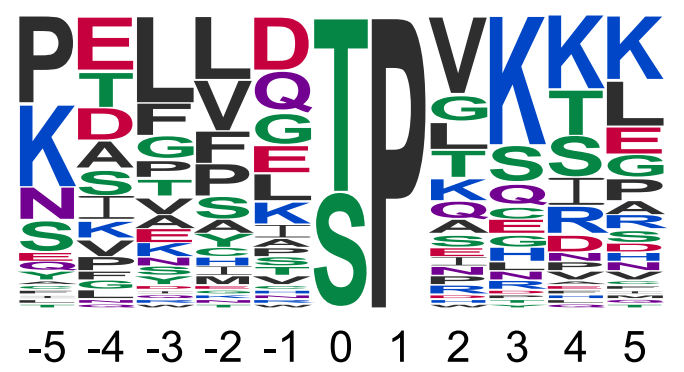
21/84

4

0.76

CDC7 Other_CDC7

-5 -4 -3 -2 -1 0 1 2 3 4 5



P...[ST]P.K.. (13)
 ...L.[ST]P.K.. (12)
 ...D[ST]P...K (10)
[ST]PV.K. (11)
 K.L..[ST]P.... (14)

225

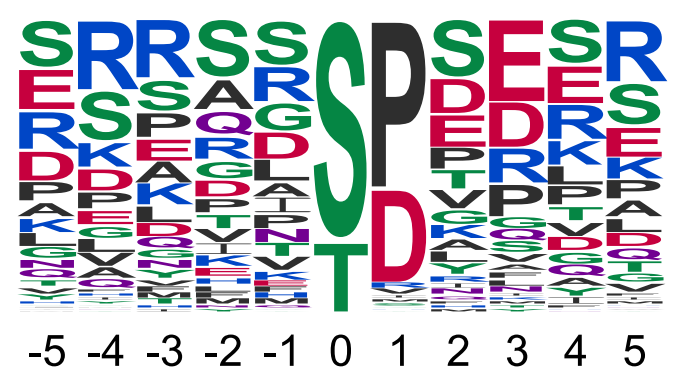
63/3690

10

0.75

CDK13 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]D.E.. (31)
 .RR..[ST]..... (21)
[ST]P...R (20)
[ST]D.D.. (16)
[ST]P.... (57)

54

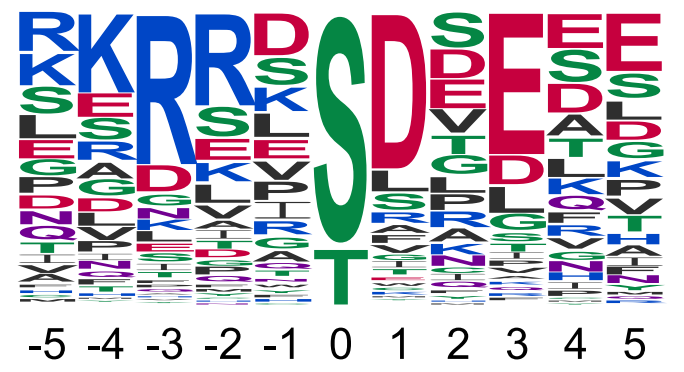
148/543

0

0.75

CHEK1 CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5



..D..[ST]D.E.. (16)
 ..RR.[ST]..... (61)
D[ST]D.D.. (12)
[ST]D.E.. (76)
 .KR..[ST]..... (38)

353

205/4368

170

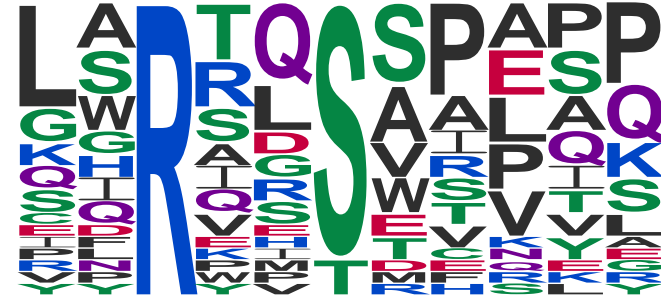
0.75

SIK3 CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (25)

17

25/131

1

0.75

AKT1 AGC_Akt

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

R.RT.[ST]...S... (12)
 R.R..[ST]...G. (21)
 R.R..[ST]...E. (10)
 ..RRR[ST]..... (17)
 ..RR.[ST].T... (13)

735

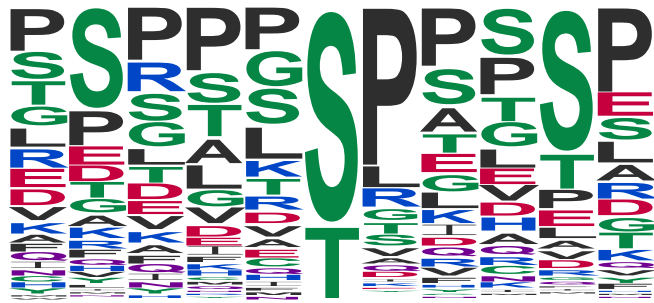
73/6725

186

0.74

BUB1 Other_BUB

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..RR.[ST]...T. (10)
[ST]D.ED. (14)
 ..RR.[ST]..... (58)
 ..TP.[ST]..R.. (11)
[ST]D.E.. (62)

335

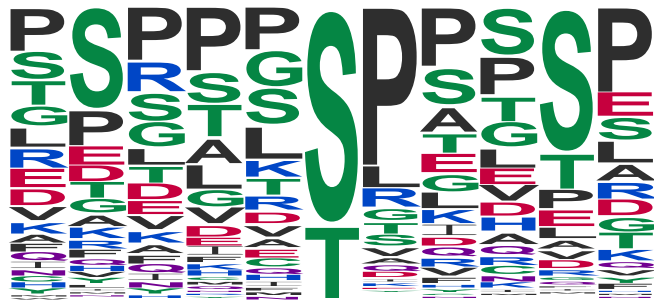
155/3960

7

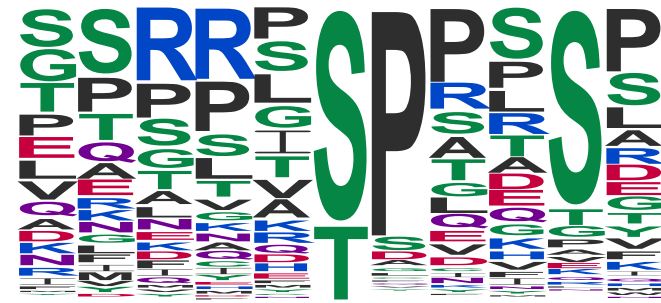
0.74

GSK3B CMGC_GSK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

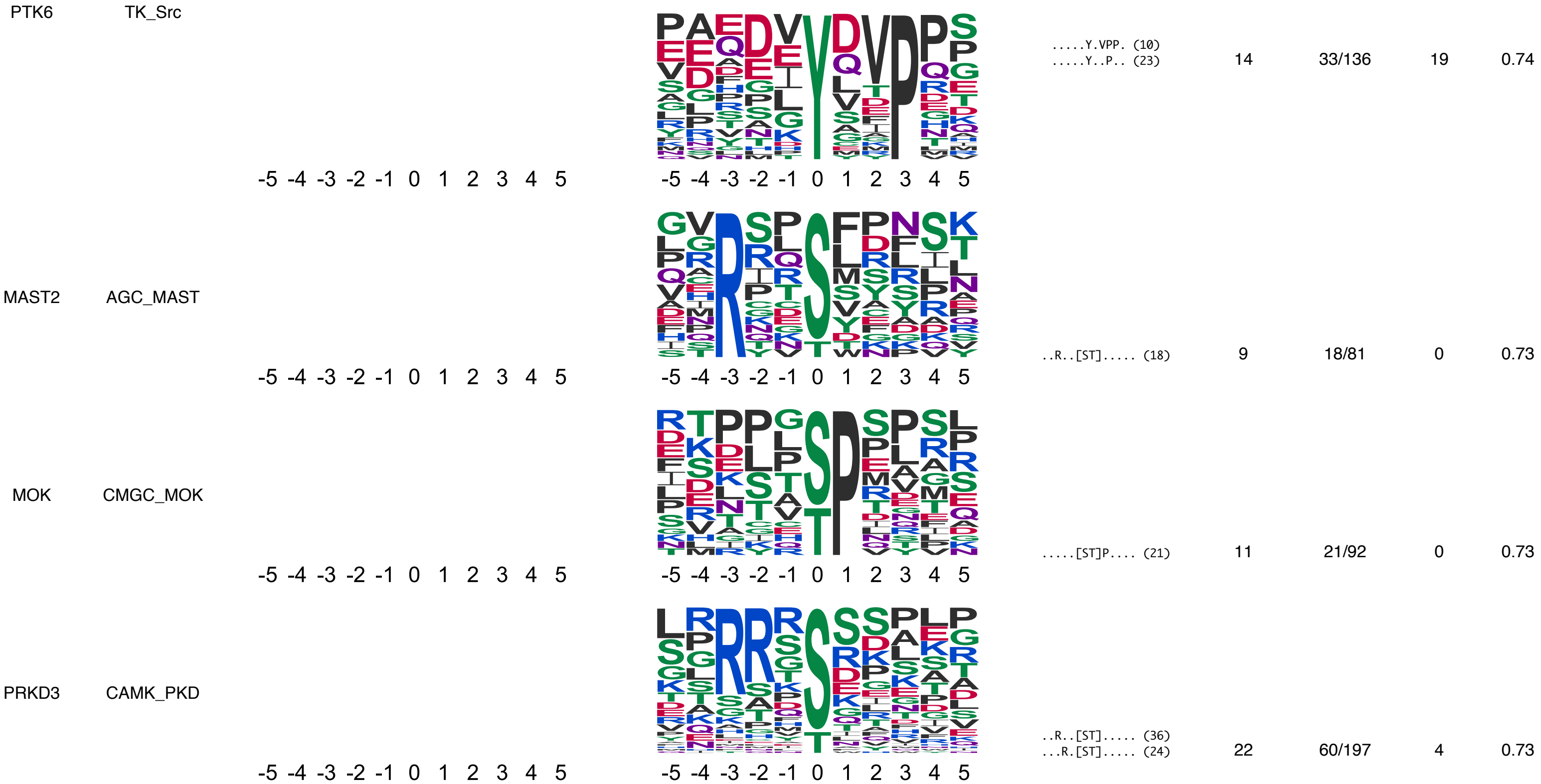
....I[ST]PP... (14)
 ..RR.[ST]...T. (10)
 ...P.[ST]PP... (14)
[ST]P...S. (126)
 ..RR.[ST]..... (33)

201

197/2679

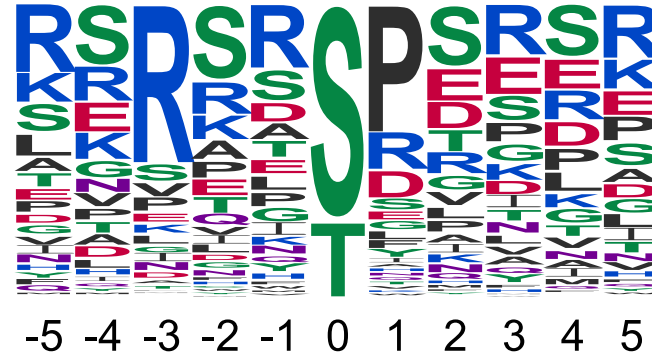
196

0.74



PRPF4B CMGC_DYRK

-5 -4 -3 -2 -1 0 1 2 3 4 5

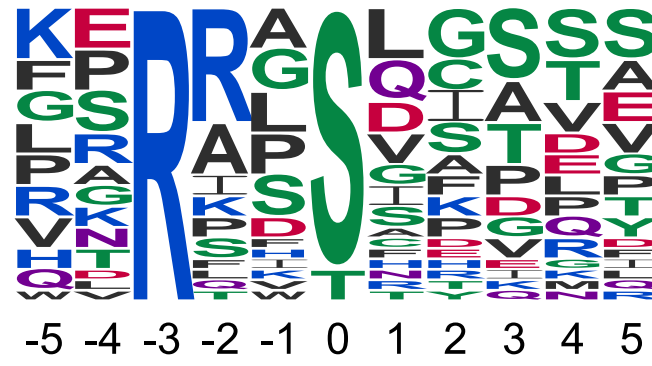


R..RS.[ST]..R.. (20)
 ..R.R[ST]..... (37)
[ST]D.E.. (22)
[ST]P..... (112)
 ..R..[ST]..... (76)

41 267/924 1 0.73

STK36 Other_ULK

-5 -4 -3 -2 -1 0 1 2 3 4 5

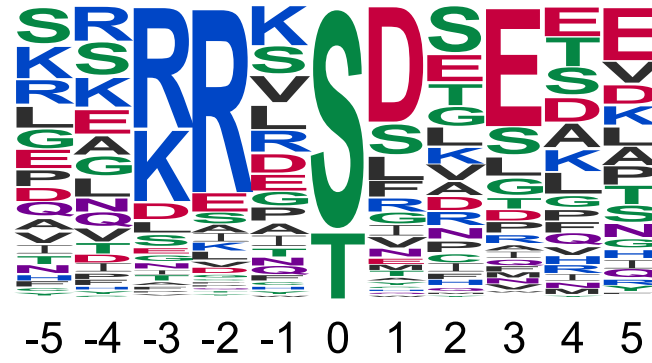
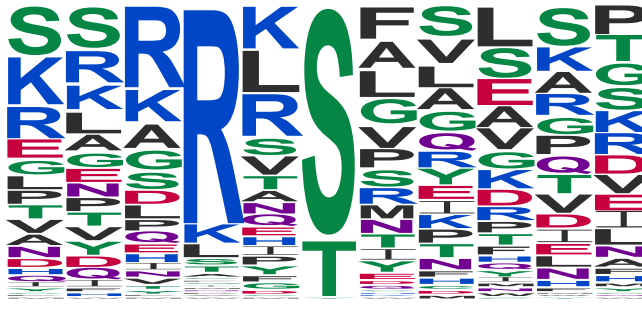


..RR.[ST]..... (11)
 ..R..[ST]..... (17)

20 28/93 0 0.73

AURKB Other_Aur

-5 -4 -3 -2 -1 0 1 2 3 4 5

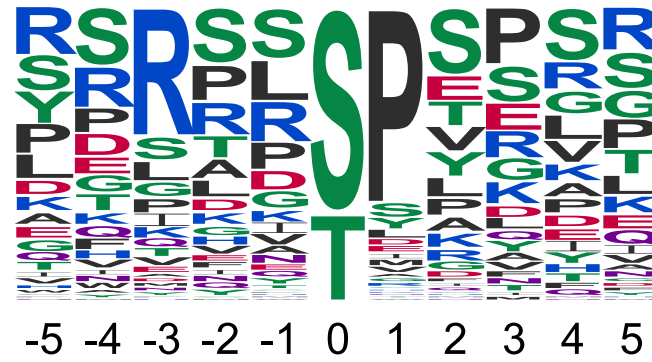


..RR.[ST]...T. (13)
[ST]D.ED. (13)
 ..RR.[ST]..... (65)
 ..KR.[ST]..... (45)
[ST]D.E.. (54)

366 196/4072 121 0.72

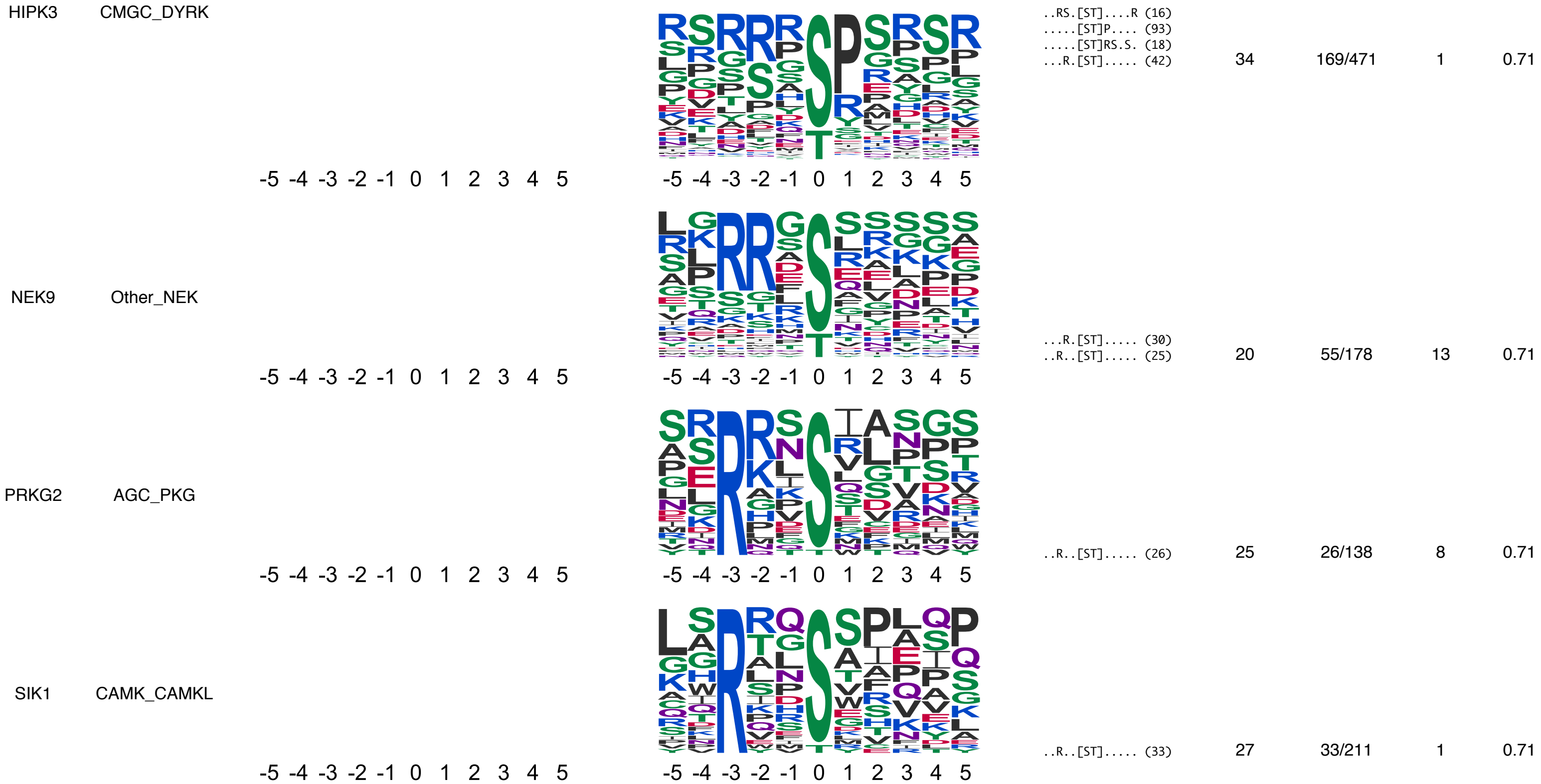
CDK14 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]P..... (85)
 ..R..[ST]..... (43)

24 128/359 0 0.72



STK38 AGC_NDR

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R.R[ST]..... (29)
R.R..[ST]..... (19)

111

48/792

4

0.71

WNK2 Other_WNK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (28)

12

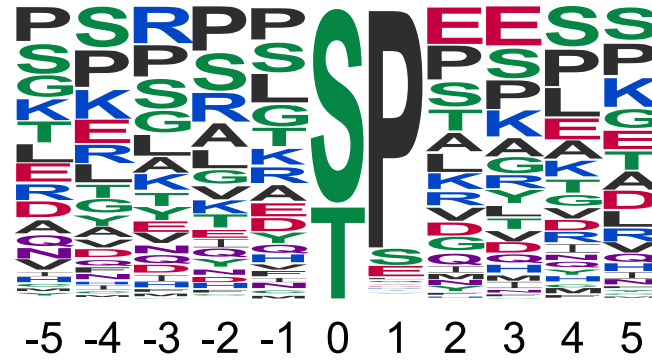
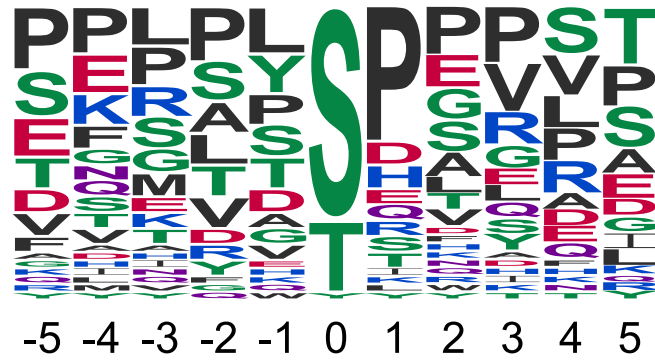
28/133

0

0.71

CDK7 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]P..PK (11)
....P[ST]...YS (10)
..RR.[ST]..... (24)
.....[ST]P..... (317)
.....[ST].EE... (35)

132

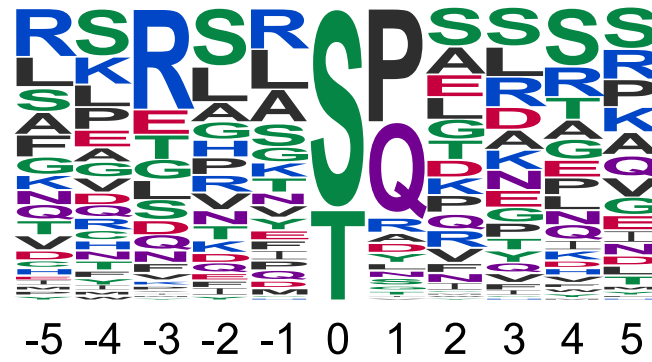
397/1373

37

0.70

CLK2 CMGC_CLK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]Q.... (38)
.....[ST]P.... (46)
..R..[ST]..... (33)

23

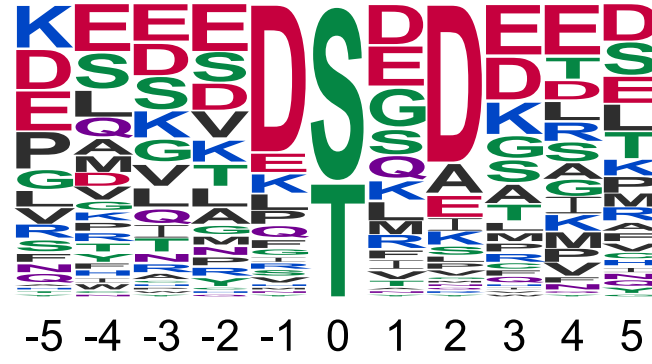
117/315

3

0.70

EIF2AK1 Other_PEK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST].D... (46)
.....D[ST]..... (39)

53 85/389 2 0.70

EIF2AK4 Other_PEK

-5 -4 -3 -2 -1 0 1 2 3 4 5

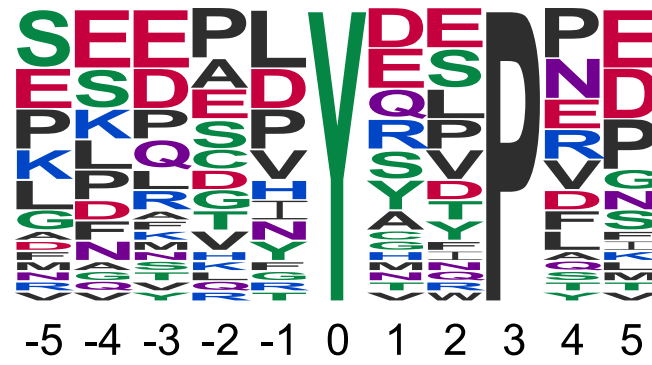


.....D[ST]..... (61)
.....[ST]...E.. (62)

47 123/509 3 0.70

MUSK TK_Musk

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....Y..P... (29)

51 29/190 0 0.70

OXSRI STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (29)

21 29/165 14 0.70

RIOK1 Atypical_RIO

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

.E...[ST]E.E.. (11)
[ST]D.E.. (32)
[ST]E.E.. (28)
[ST]...D.. (54)
[ST]....K (51)

60 176/521 0 0.70

TNIK STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (22)

14 22/116 4 0.70

TRIO CAMK_Trio

-5 -4 -3 -2 -1 0 1 2 3 4 5



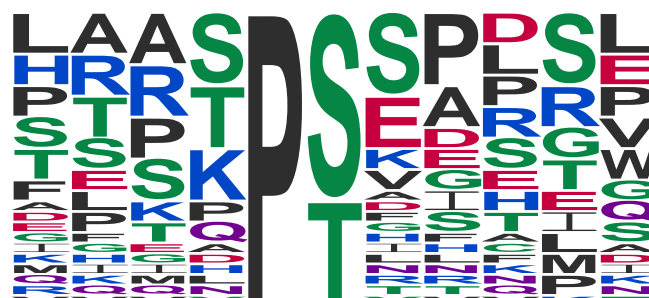
-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (28)

18 28/162 0 0.70

AAK1 Other_NAK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

....P[ST]..... (28)

15 28/144 3 0.69

LRRK1 TKL_LRRK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (22)

7

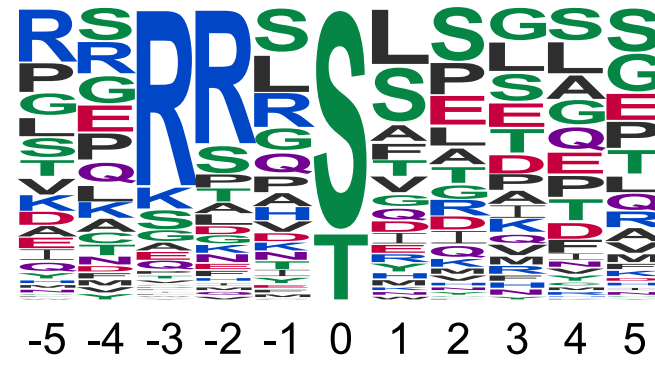
22/101

0

0.69

MAP2K7 STE_STE7

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (77)

...R.[ST]..... (49)

62

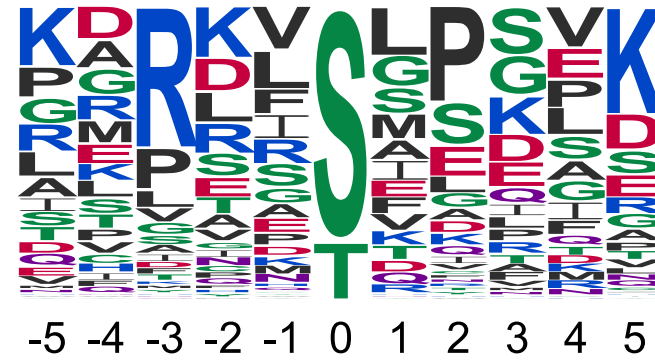
126/537

6

0.69

MAP3K11 TKL_MLK

-5 -4 -3 -2 -1 0 1 2 3 4 5



....V[ST].P.V. (12)

K..K.[ST].P... (13)

..R..[ST]..... (68)

.....[ST]....K (48)

53

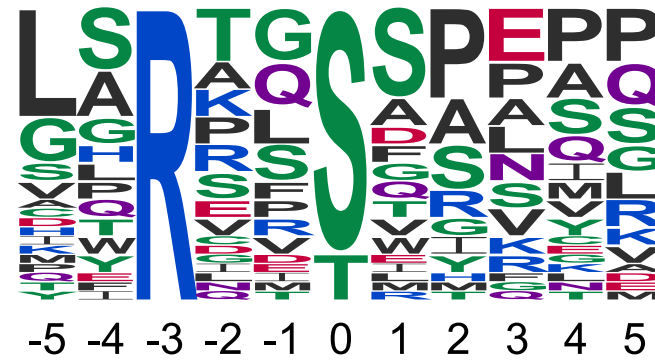
141/503

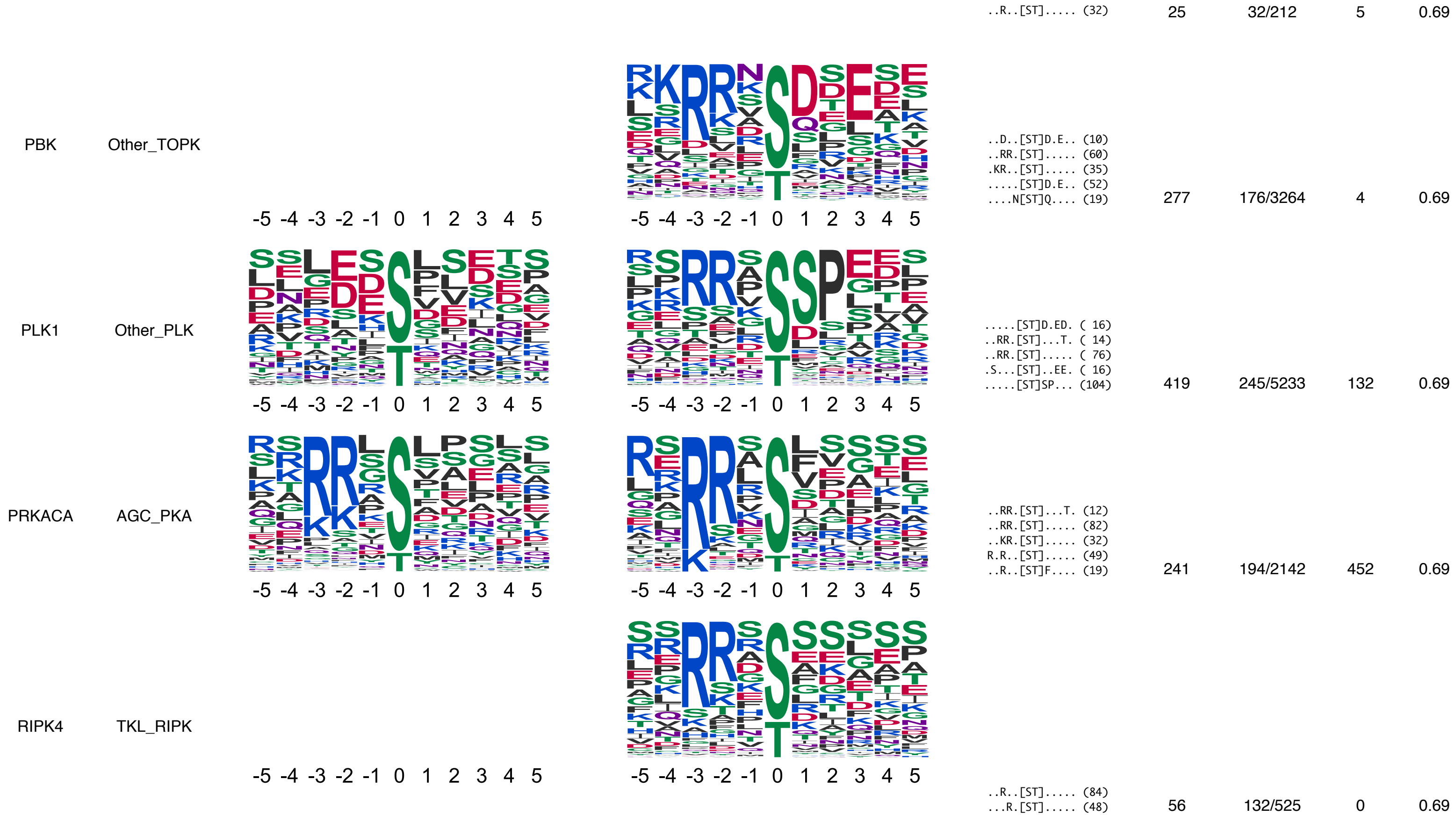
7

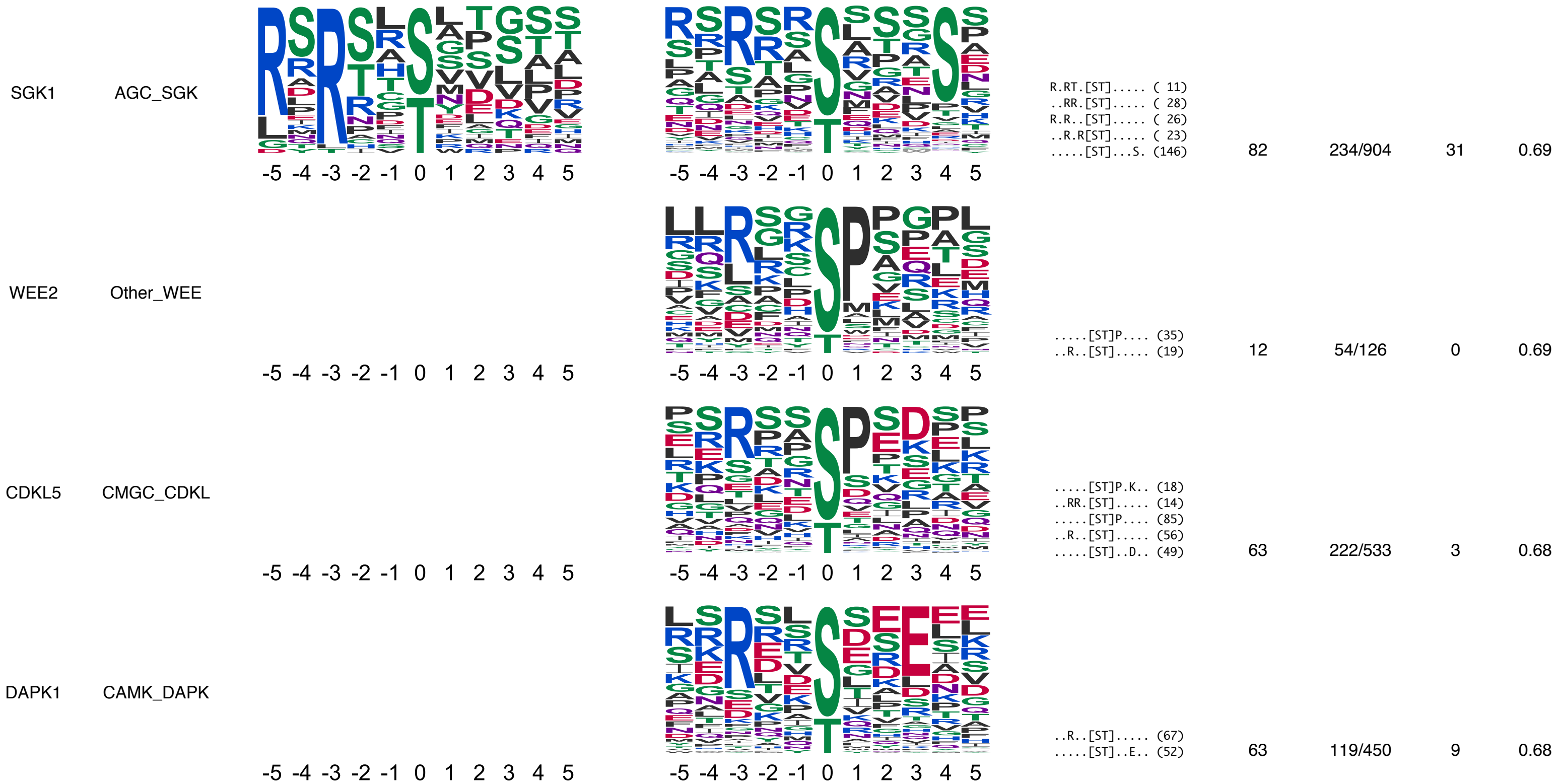
0.69

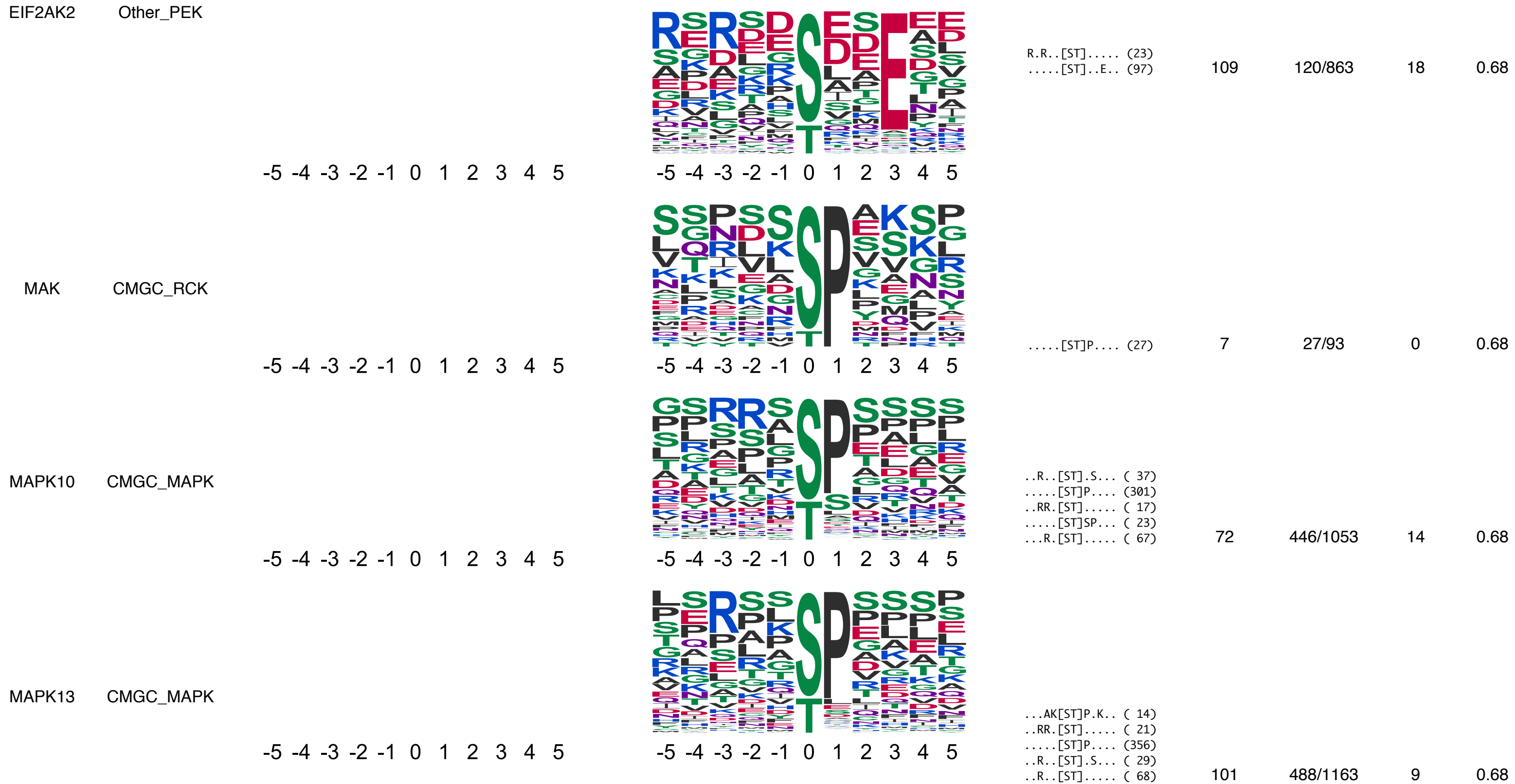
MARK3 CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5



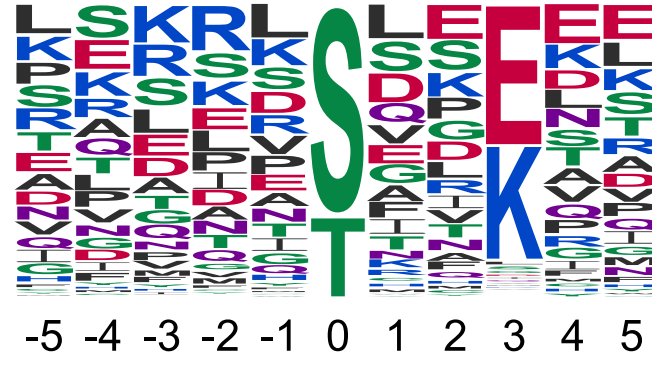






MASTL AGC_MAST

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (27)
 ..KR.[ST]..... (28)
[ST]D.E.. (32)
[ST]..K.. (161)
[ST]..E.. (165)

106 413/1667 0 0.68

NTRK3 TK_Trk

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....YM.M.. (13)
Y.N.... (24)

36 37/193 0 0.68

PASK CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5

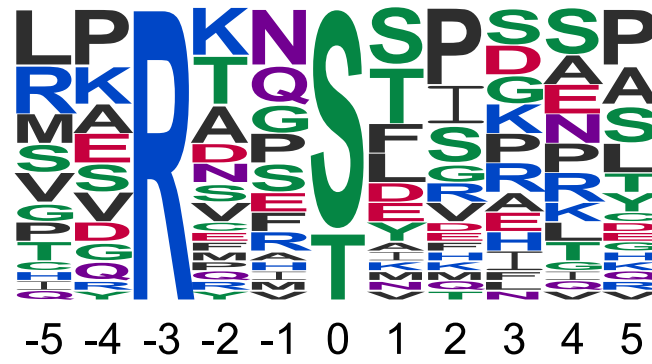


..RR.[ST]..... (16)
 ..R..[ST]..... (66)
[ST]...S. (79)
 ...R.[ST]..... (38)

29 199/492 3 0.68

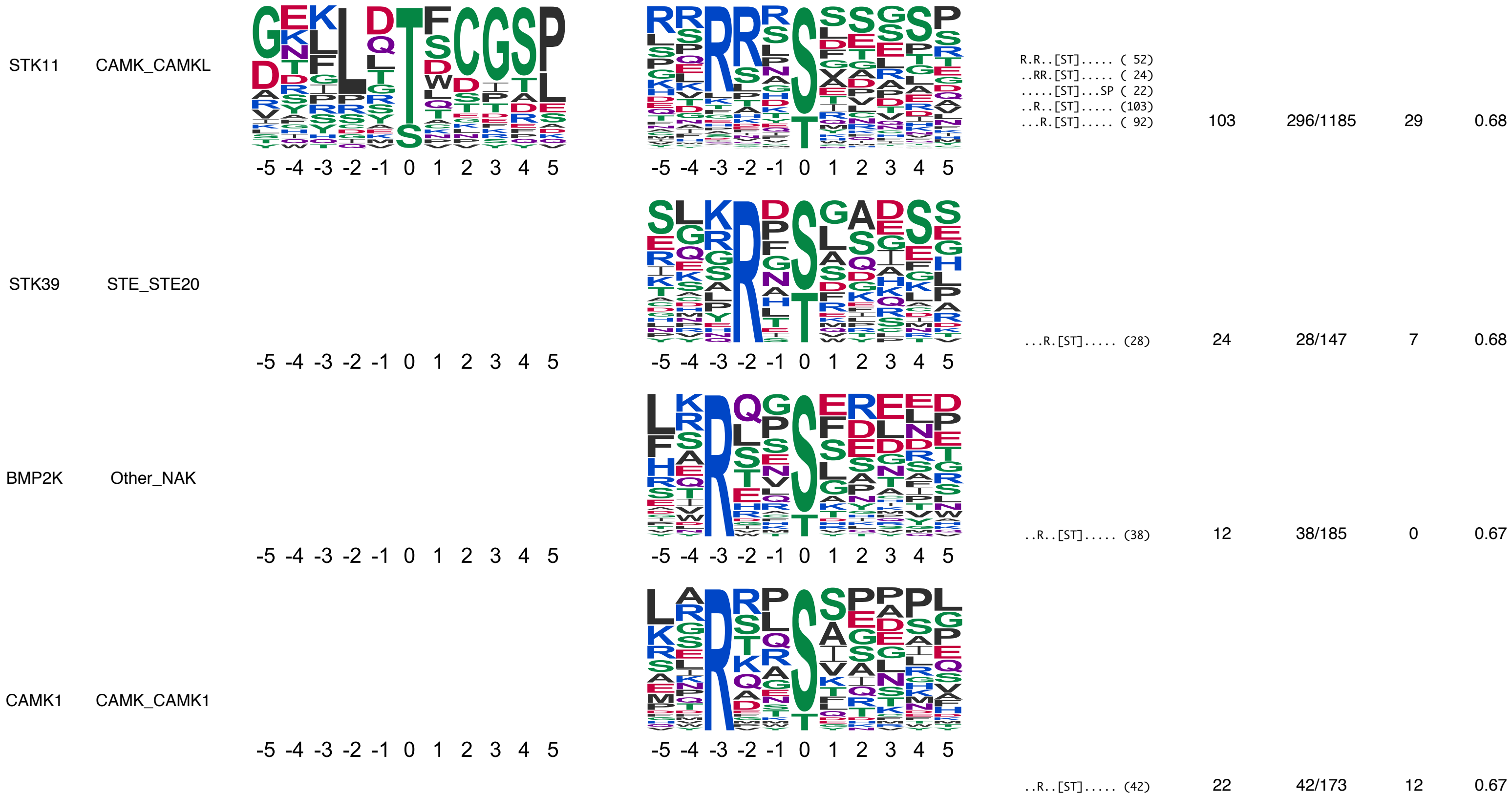
PKN2 AGC_PKN

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (30)

16 30/204 0 0.68



CAMK1D CAMK_CAMK1

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (28)

26

28/161

0

0.67

CAMK2B CAMK_CAMK2

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (19)
..R..[ST]..... (80)
.....[ST]E.. (68)

84

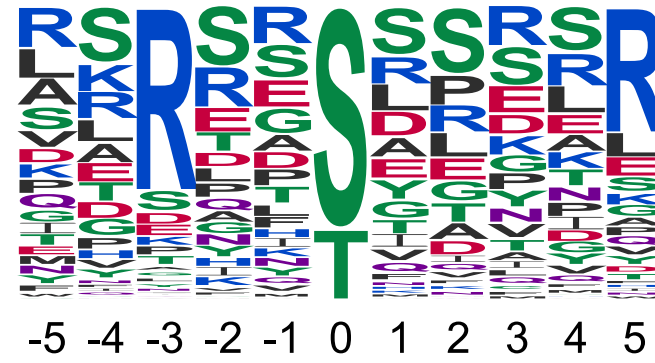
167/656

3

0.67

CAMK2D CAMK_CAMK2

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (96)
.....[ST]....R (57)

70

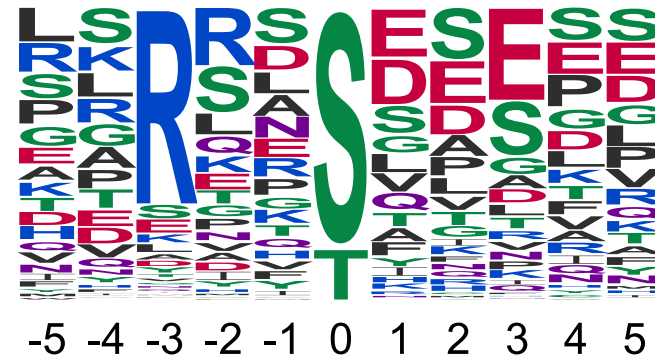
153/637

14

0.67

CASK CAMK_CASK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (26)
.....[ST]D.E.. (34)
..R..[ST]..... (153)
.....[ST]E.E.. (28)
...R.[ST]..S.. (21)

185

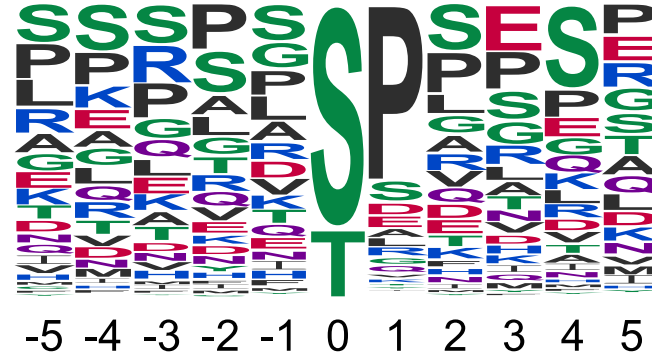
272/1418

5

0.67

CDK19 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5

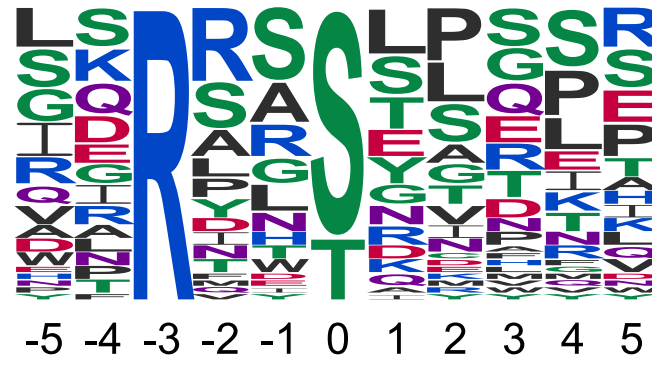


.....[ST]P.... (287)
 ..R..[ST].S... (25)
[ST]SP... (22)
[ST]...S. (88)
[ST]..E.. (57)

73 479/848 3 0.67

DMPK AGC_DMPK

-5 -4 -3 -2 -1 0 1 2 3 4 5

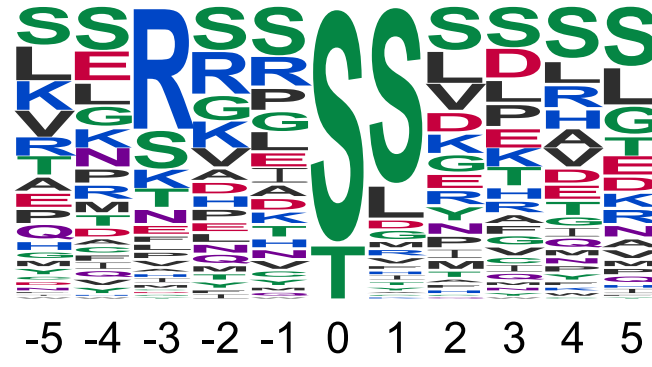


..RR.[ST]..... (11)
 ..R..[ST]..... (32)

28 43/246 1 0.67

GRK5 AGC_GRK

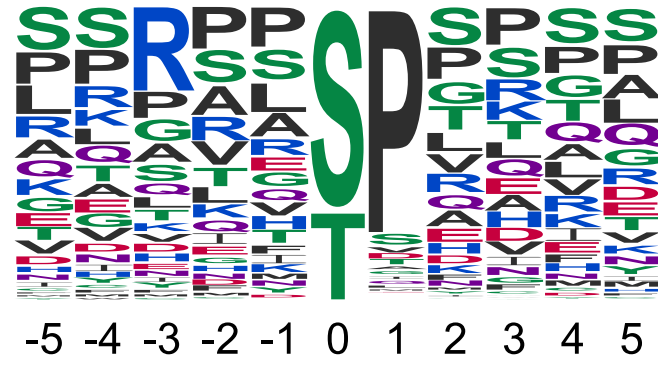
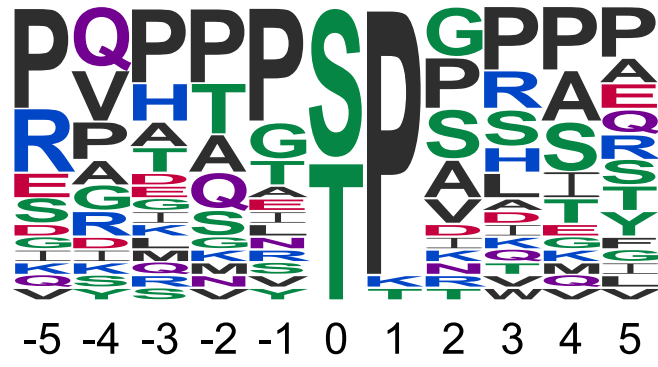
-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (46)
[ST]S.... (63)

87 109/362 14 0.67

HIPK2 CMGC_DYRK

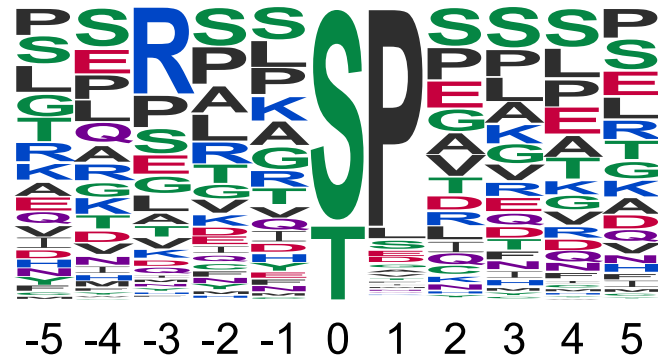


.....[ST]P.... (232)
 ..R..[ST]..... (69)

76 301/811 23 0.67

MAPK12 CMGC_MAPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



...AK[ST]P.K.. (14)
 ..RR.[ST]..... (20)
 ..R..[ST].S... (32)
[ST]P.... (392)
 ..R..[ST]..... (84)

105 542/1312 8 0.67

NEK1 Other_NEK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]...E.. (66)
[ST]...S.. (63)
[ST]Q.... (41)
[ST]...D.. (46)

18 216/417 2 0.67

PAK2 STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5

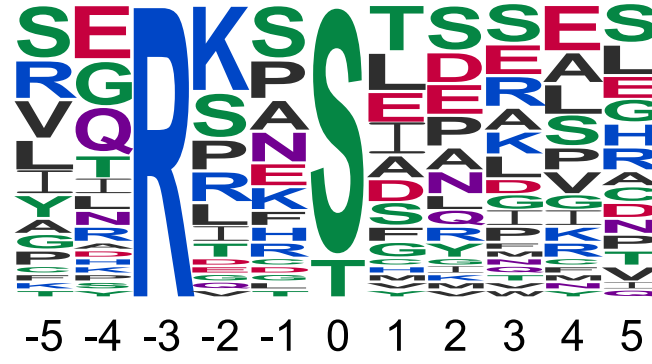


..R..[ST].P... (34)
 ..R..[ST]...E. (23)
 ..RR.[ST]..... (20)
 ..KR.[ST]..... (22)
 ..R..[ST]..... (116)

133 215/1268 29 0.67

PAK6 STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (37)

20

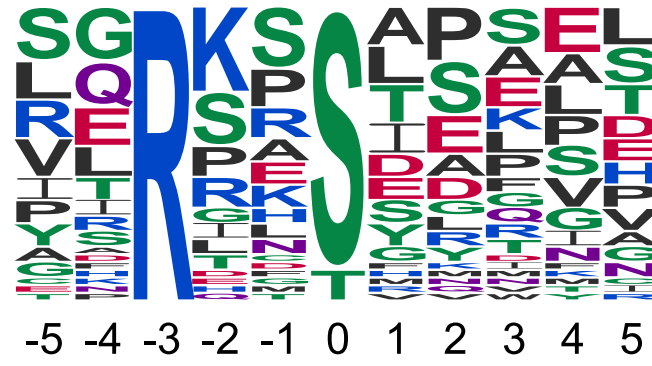
37/199

0

0.67

PAK7 STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (38)

22

38/192

1

0.67

PRKD1 CAMK_PKD

-5 -4 -3 -2 -1 0 1 2 3 4 5



L.R..[ST].P... (13)
..RR.[ST]..... (21)
..R..[ST]..... (101)
...R.[ST]..... (58)

62

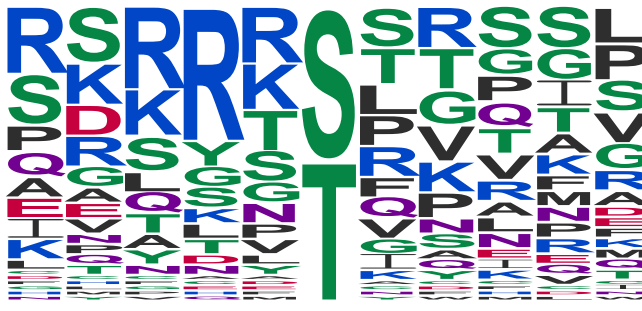
193/701

52

0.67

ROCK1 AGC_DMPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



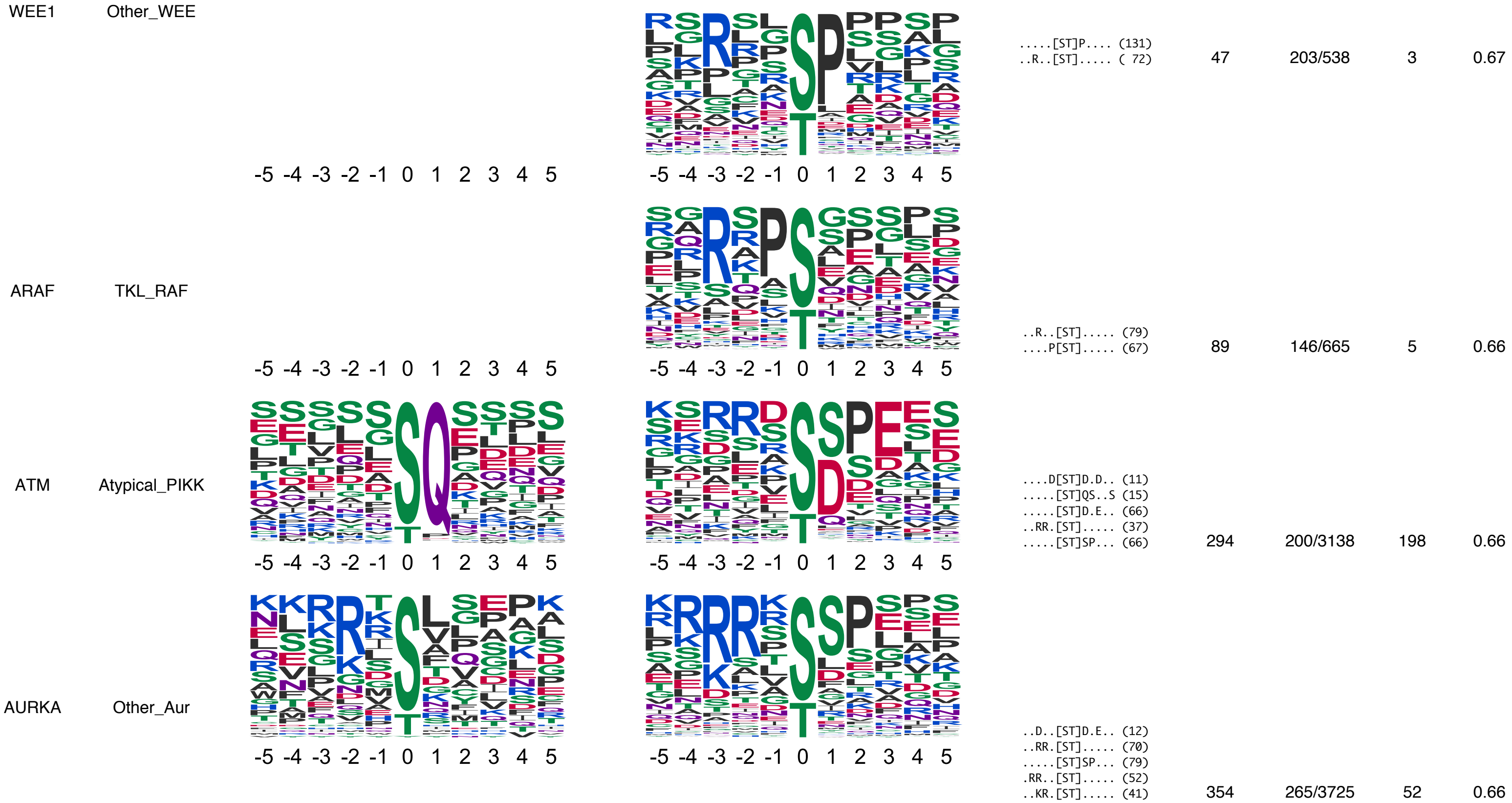
..R..[ST]..... (110)
R....[ST]..... (67)

54

177/682

57

0.67

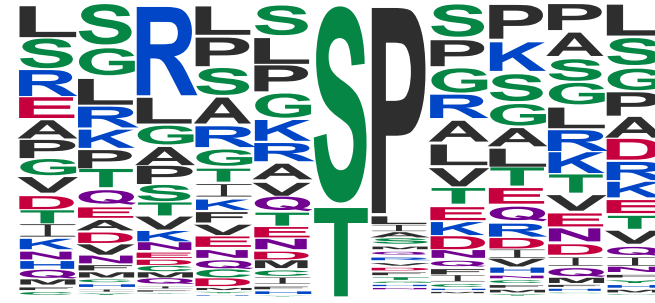


CDK3 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

.....[ST]P.K.. (34)
..RR.[ST]..... (17)
.....[ST]P.... (234)
..R..[ST]..... (89)

92 374/1098 13 0.66

CDK6 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

...PL[ST]P.... (12)
.....[ST]P.K.. (51)
R.R..[ST]..... (28)
.....[ST]P...K (32)
.....[ST]P.... (313)

108 436/1392 30 0.66

GSK3A CMGC_GSK

-5 -4 -3 -2 -1 0 1 2 3 4 5



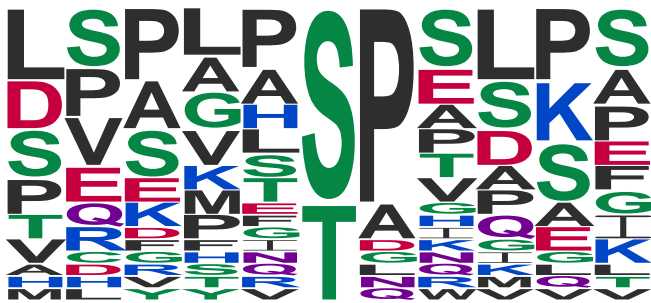
-5 -4 -3 -2 -1 0 1 2 3 4 5

.....[ST]PP... (41)
.....[ST]P.... (170)
..R..[ST]..... (79)
..S..[ST]..... (97)
.....[ST]...S. (72)

57 459/800 27 0.66

MAPK7 CMGC_MAPK

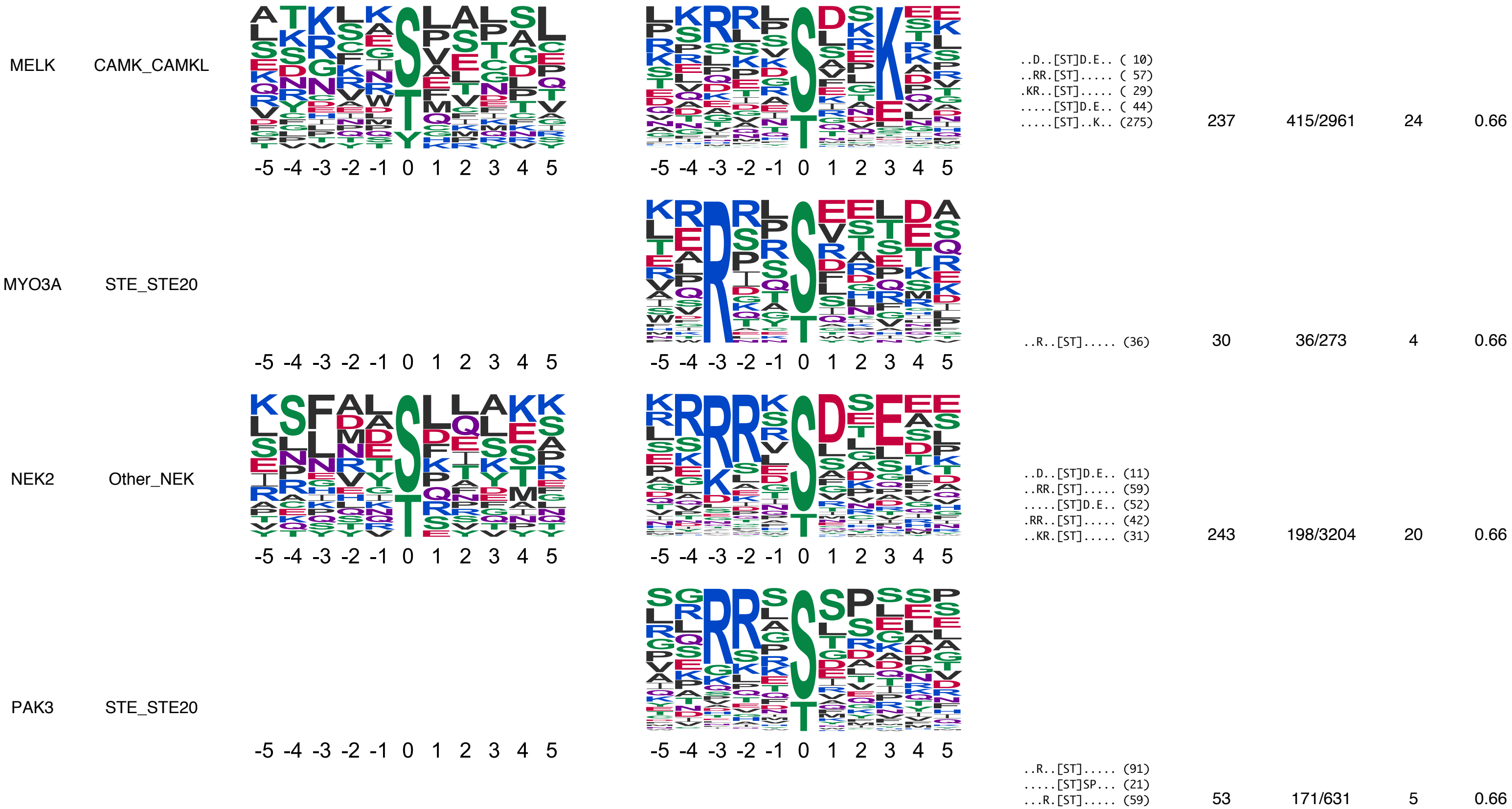
-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

.....[ST]P.... (169)
..R..[ST]..... (73)

50 242/584 24 0.66



PIK3CG

PKL_PIK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

R..RT.[ST]..... (13)
 R..R..[ST]..... (50)
 ..RR.[ST]..... (26)
 ..R..[ST]..... (191)
 R..S.[ST]..... (32)

244 315/1886 2 0.66

PLK4

Other_PLK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..D..[ST]D.E.. (11)
 ..RR.[ST]..... (58)
[ST]D.E.. (52)
 .KR..[ST]..... (27)
[ST]..K.. (304)

256 454/3358 5 0.66

PRKAA2

CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

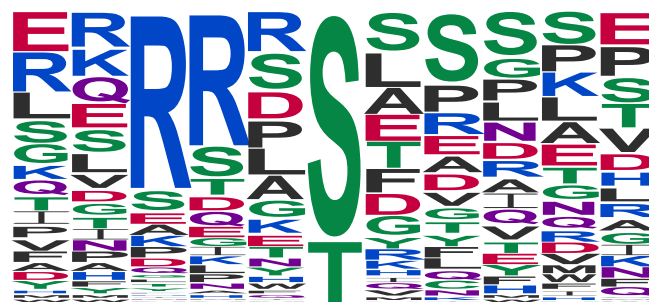
..RR.[ST]..... (19)
 R..R..[ST]..... (23)
 ..R..[ST]..... (80)
 ..S..[ST].P... (22)
[ST].S... (80)

56 224/588 23 0.66

PRKCH

AGC_PKC

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (79)
 ...R.[ST]..... (52)

42 131/615 13 0.66

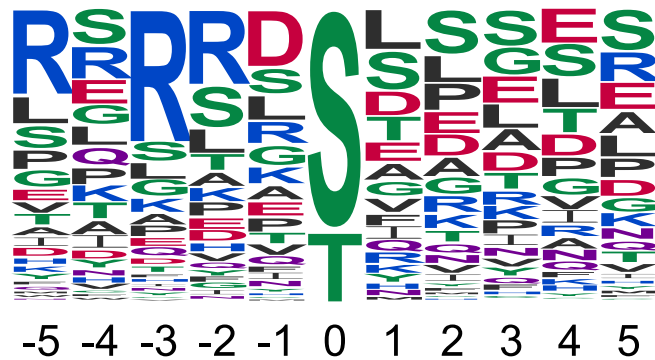
PRKG1 AGC_PKG



..RR.[ST]..... (31)
 ..R..[ST]..... (97)
 ...R.[ST]..... (74)

89 202/790 44 0.66

ROCK2 AGC_DMPK



..RR.[ST]..... (21)
 ..R..[ST]..... (128)
 R....[ST]..... (71)
D[ST]..... (55)
 ...R.[ST]..... (53)

86 328/795 8 0.66

RPS6KB1 AGC_RSK



R..RT.[ST]..... (12)
 R..R..[ST]..... (41)
 ..RR.[ST]..... (24)
 ..R..[ST]..... (122)
 ..S..[ST]..... (192)

138 391/1395 35 0.66

CDK16 CMGC_CDK

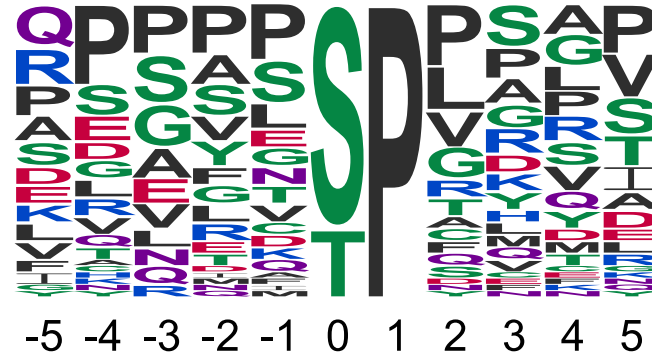


.....[ST]P..... (112)
 ..R..[ST]..... (81)
[ST]...E... (61)

56 254/673 1 0.65

CDK20 CMGC_CDK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]P.... (47)

16

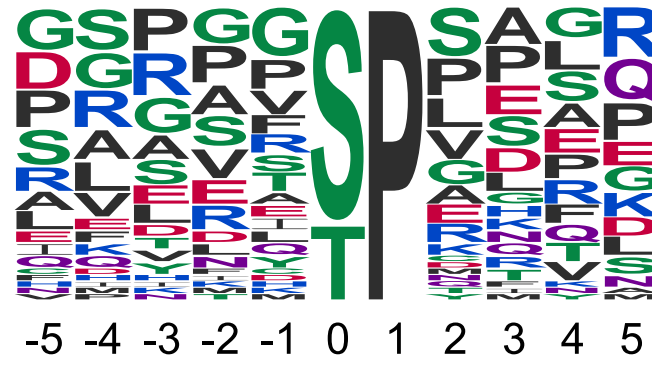
47/195

2

0.65

DYRK1B CMGC_DYRK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]P.... (46)

16

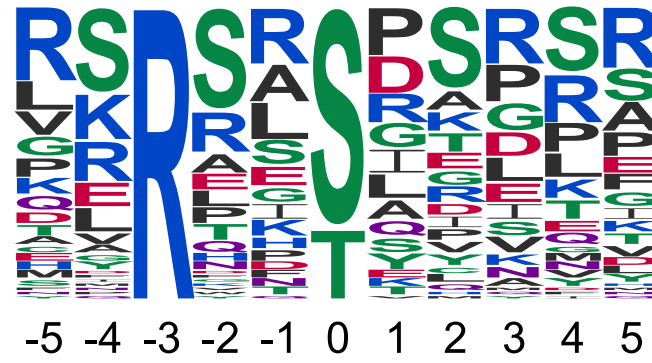
46/149

7

0.65

DYRK2 CMGC_DYRK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RS.[ST]....R (12)
..R..[ST]..... (58)

42

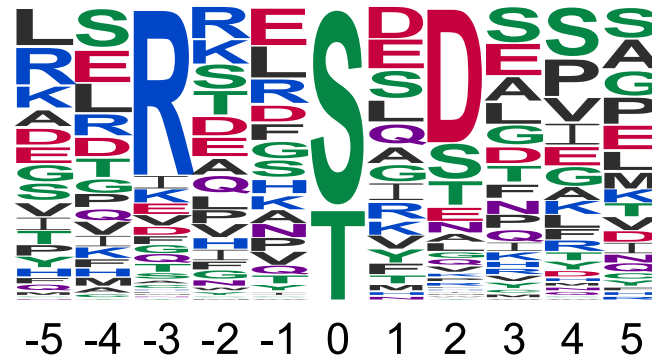
70/512

19

0.65

EIF2AK3 Other_PEK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (73)
.....[ST].D... (54)

94

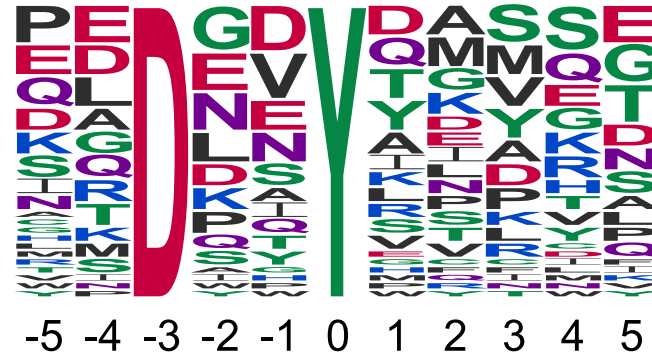
127/614

2

0.65

FER TK_Fer

-5 -4 -3 -2 -1 0 1 2 3 4 5



..D..Y..... (37)

32

37/299

8

0.65

MAP3K1 STE_STE11

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (117)
...R.[ST]..... (64)

95

181/811

5

0.65

MINK1 STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (66)
.....[ST].E... (60)

36

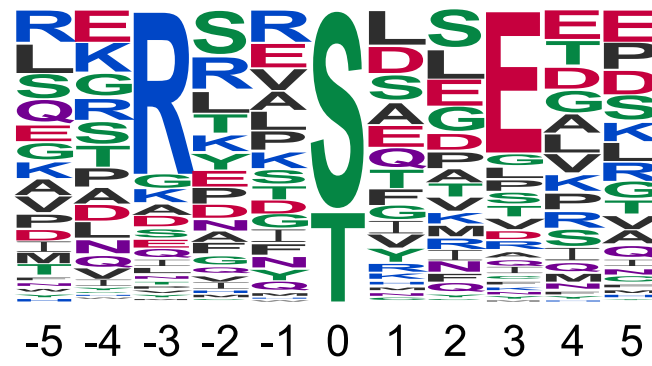
126/522

0

0.65

MYLK CAMK_MLCK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (117)
.....[ST]..E... (90)

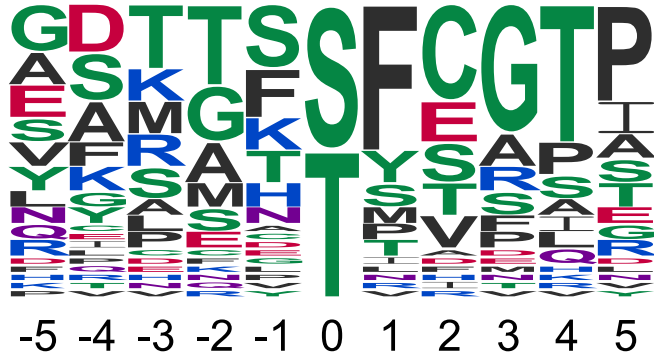
99

207/894

2

0.65

PDK1 Atypical_PDHK



..R..[ST]..... (34)

28

34/247

36

0.65

PDK3 Atypical_PDHK

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]..D.Y (10)
.....[ST]E.E.. (24)
..R..[ST]..... (104)
.....[ST]..D.. (75)
.....[ST]..E.. (73)

103

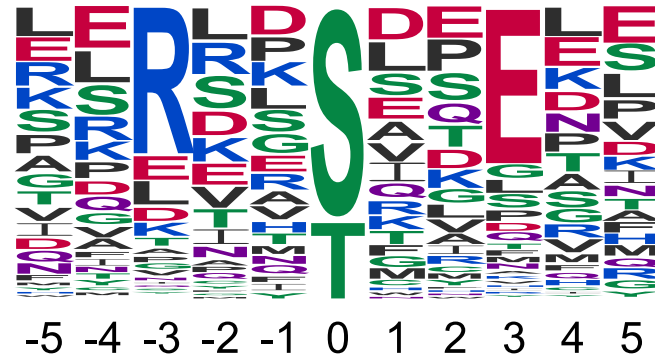
286/831

2

0.65

PKMYT1 Other_WEE

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (90)
.....[ST]..E.. (88)

64

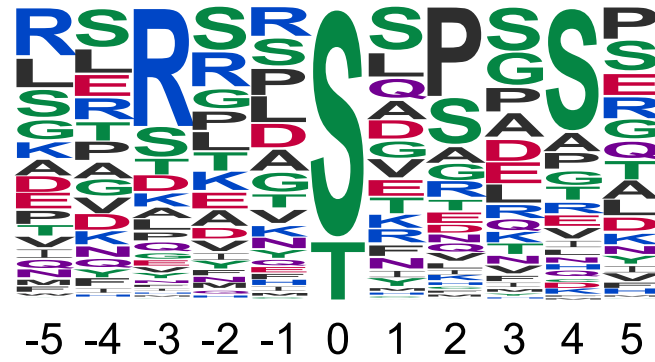
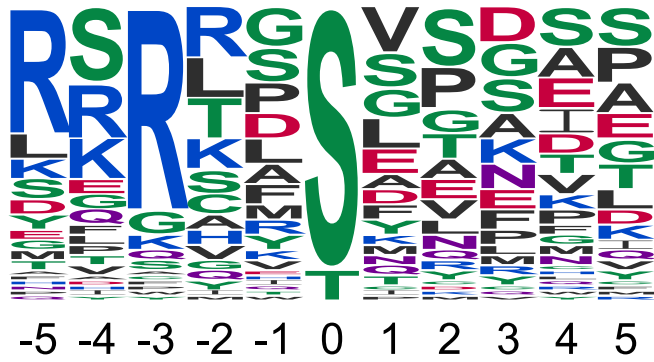
178/780

2

0.65

RPS6KA1 AGC_RSK

-5 -4 -3 -2 -1 0 1 2 3 4 5



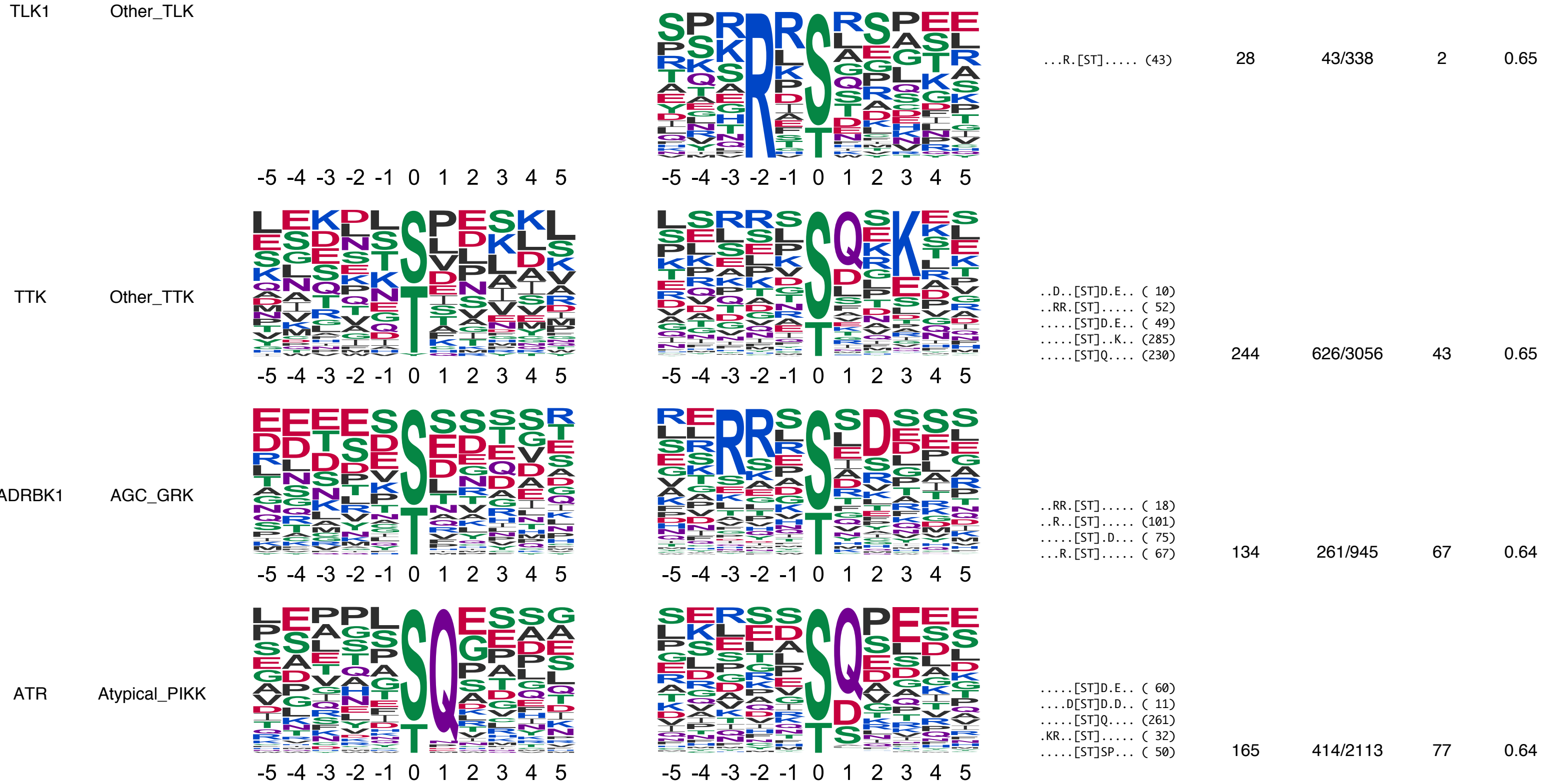
R..R..[ST]..... (36)
..RR.[ST]..... (17)
..R..[ST]..... (71)
.....[ST]...S. (110)
.....[ST].P... (69)

71

303/752

58

0.65



BMPR1B

TKL_STKR

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (37)

47

37/249

10

0.64

BRAF

TKL_RAF

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (123)

...R.[ST]..... (71)

87

194/918

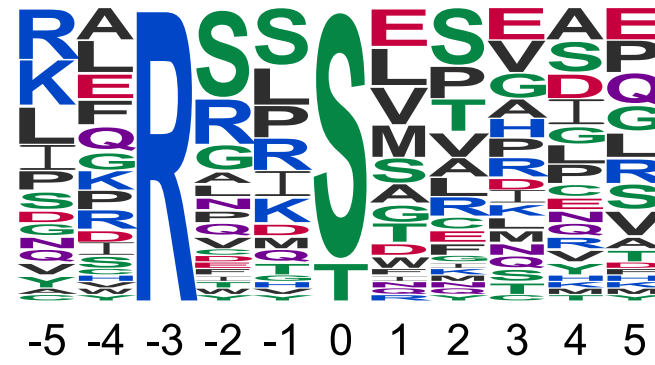
12

0.64

BRSK2

CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (45)

24

45/230

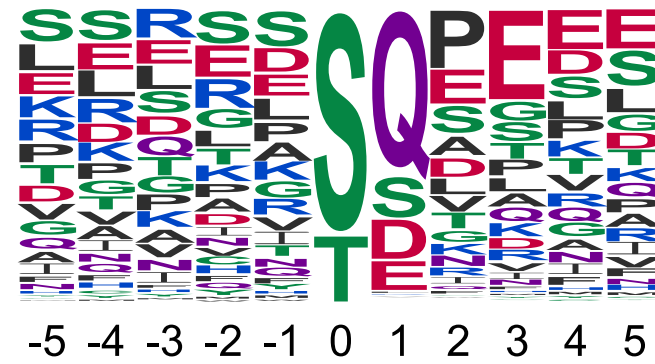
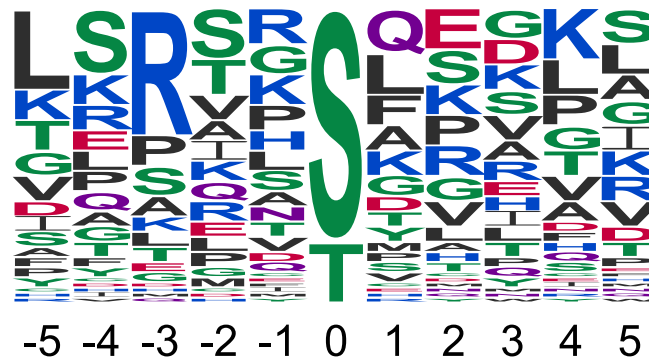
1

0.64

CHEK2

CAMK_RAD53

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]D.E... (55)

.....[ST]Q..... (232)

.....[ST]SP... (53)

..RR.[ST]..... (25)

.....[ST]E.E... (40)

165

405/2032

58

0.64

CSNK1A1

CK1_CK1

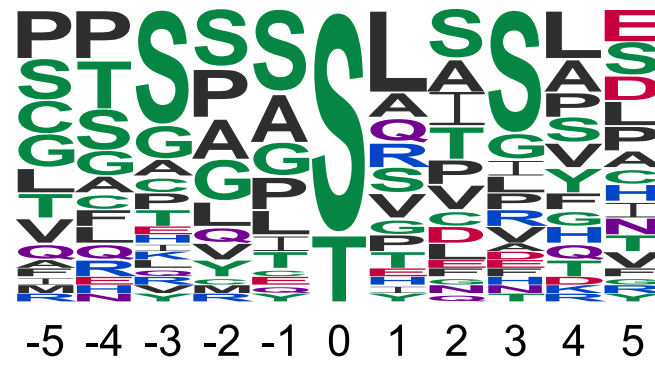


..RR.[ST]..... (18)
 ..S..[ST]..... (145)
 ..R..[ST]..... (83)
[ST]..E.. (76)

71 322/874 100 0.64

CSNK1E

CK1_CK1

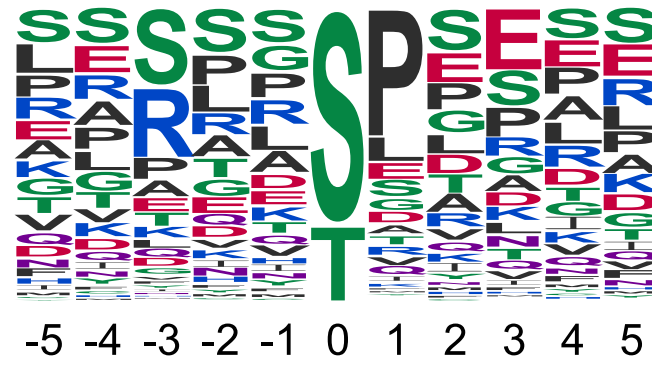
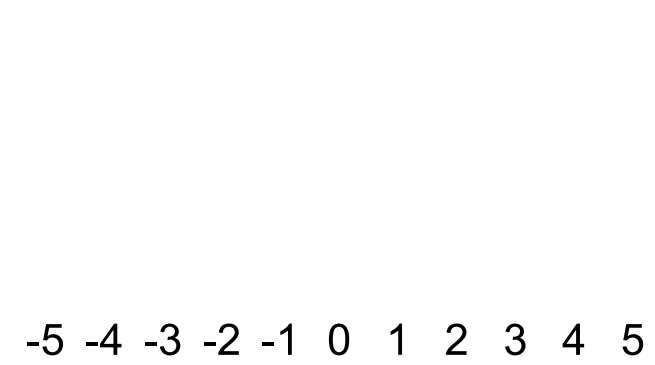


..RR.[ST]..... (20)
 ..S..[ST]..... (168)
 ..R..[ST]..... (109)
 .S..[ST]..... (118)
[ST]..E.. (75)

97 490/1033 35 0.64

ICK

CMGC_RCK

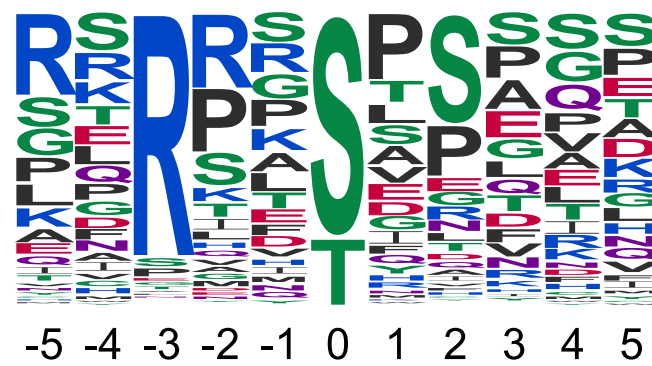
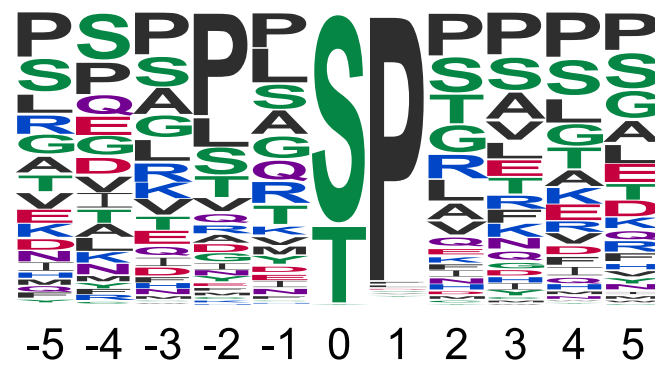


.....[ST]P.... (222)
 ..R..[ST]..... (94)
[ST]..E.. (89)
 ..S..[ST]..... (102)

148 507/1013 3 0.64

MAPK3

CMGC_MAPK



...P.[ST]P..Q. (13)
 ...P.[ST]PP... (23)
 ..RR.[ST]..... (46)
 ..R..[ST].S... (74)
 R.R..[ST]..... (39)

305 207/3404 251 0.64

MARK2 CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (18)
V[ST].P.V. (12)
 K..K.[ST].P... (13)
 ..R..[ST]..... (90)
[ST].S... (120)

57 253/768 14 0.64

OBSCN CAMK_Trio

-5 -4 -3 -2 -1 0 1 2 3 4 5

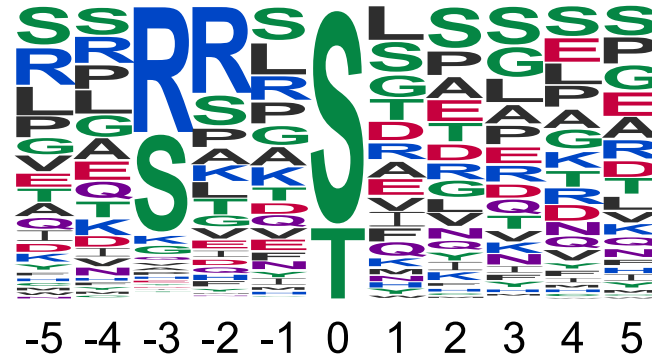


.....[ST]....E (40)

18 40/253 0 0.64

PAK1 STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5

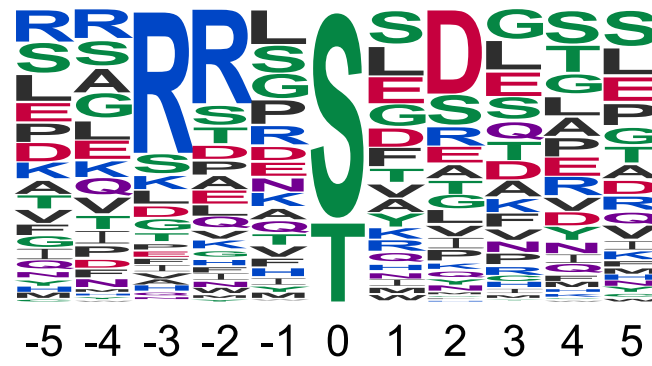


R..R.[ST]..S.. (10)
 ..RR.[ST]..... (27)
 ..R..[ST]..... (184)
 ...R.[ST]..... (126)
 ..S..[ST]..... (163)

111 510/1399 66 0.64

PRKCI AGC_PKC

-5 -4 -3 -2 -1 0 1 2 3 4 5

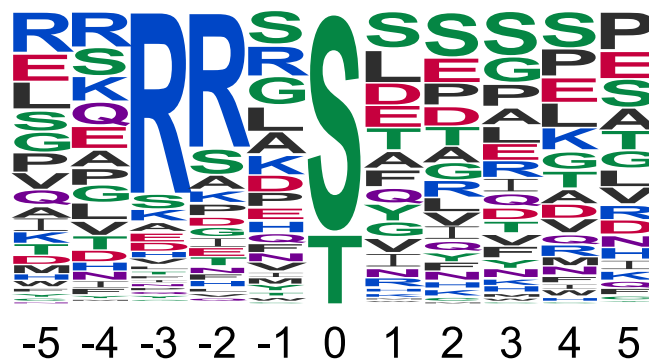
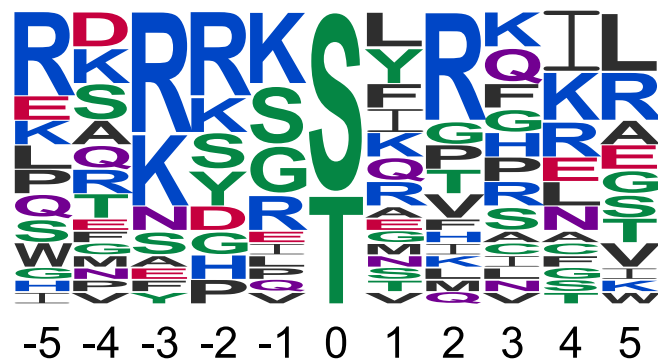


..RR.[ST]..... (18)
 ..R..[ST]..... (102)
 ...R.[ST]..... (59)
[ST].D... (64)

95 243/794 18 0.64

PRKCQ

AGC_PKC



..RR.[ST]..... (20)
 ..R..[ST]..... (119)
 ...R.[ST]..... (84)

87

223/1011

24

0.64

RPS6KA3

AGC_RSK



R.R..[ST]..... (34)
[ST]..D.. (136)
[ST].DE.. (23)
 ..R..[ST]..... (114)
[ST]...S. (171)

140

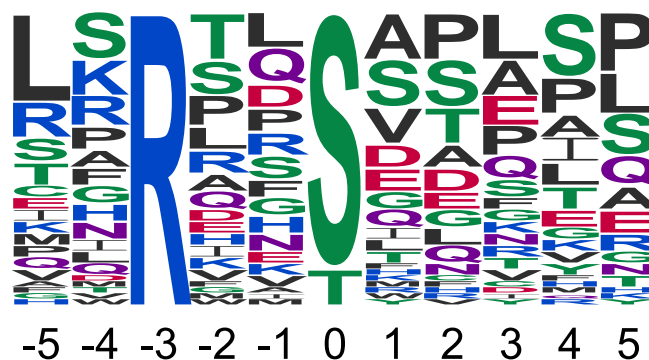
478/1285

40

0.64

SIK2

CAMK_CAMKL



..R..[ST]..... (49)

22

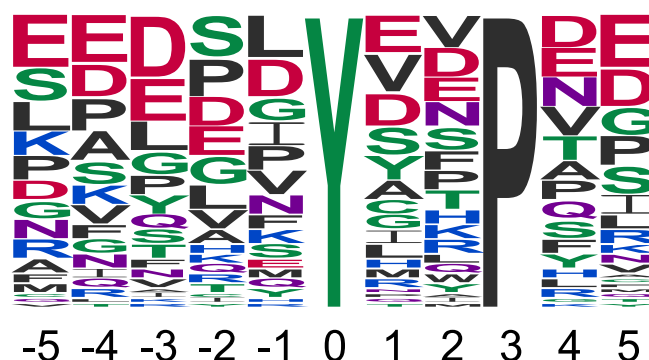
49/253

3

0.64

TEC

TK_Tec



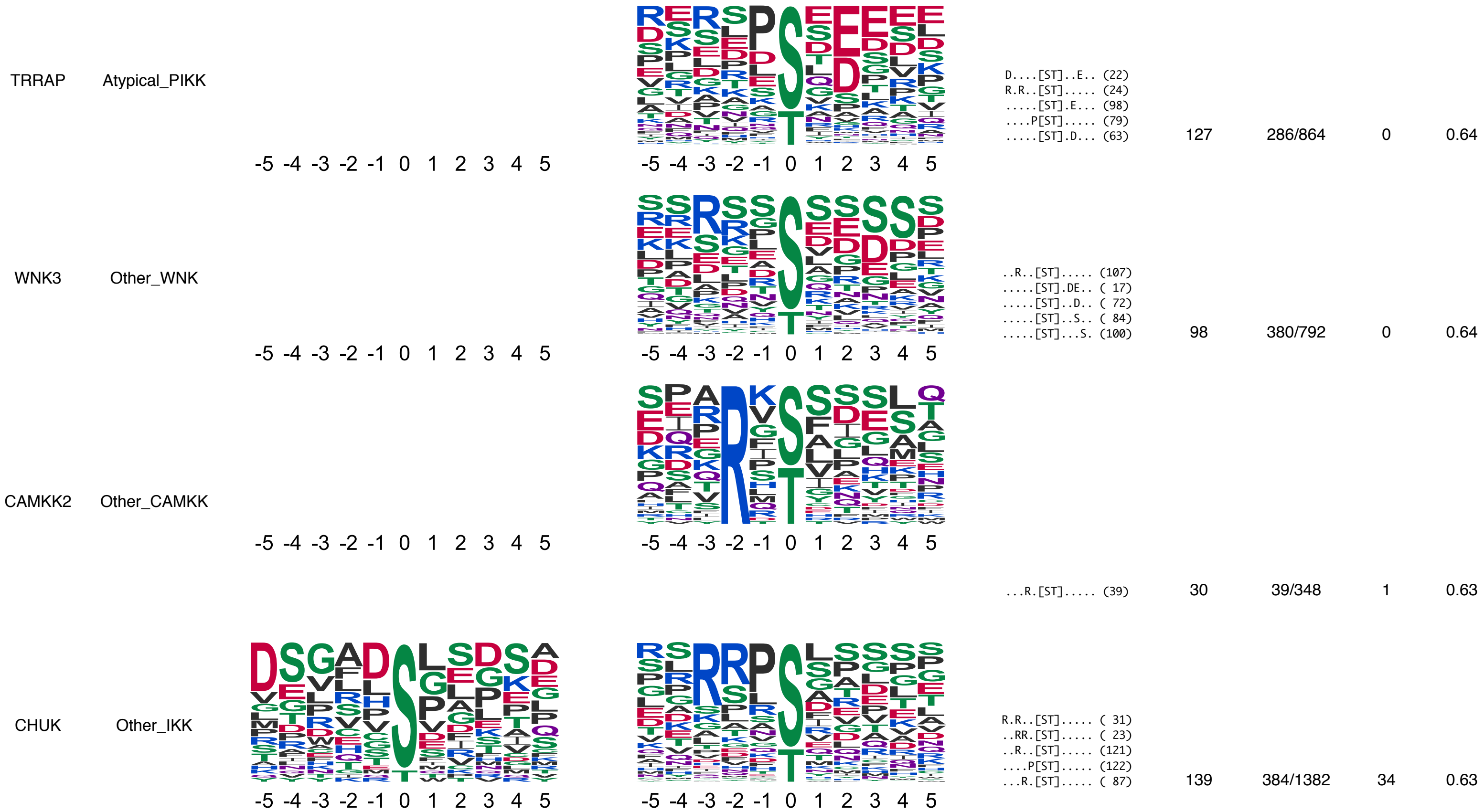
.....Y..P.. (60)

78

60/411

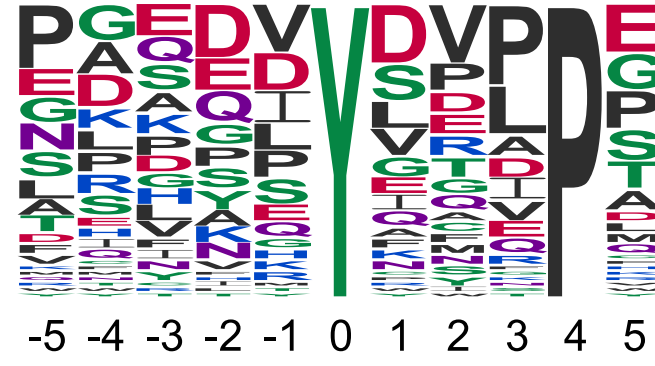
8

0.64



CSF1R TK_PDGFR

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....Y...P. (54)

167

54/514

4

0.63

CSNK1D CK1_CK1

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (26)
..R..[ST]..... (140)
.....[ST]..E.. (148)
..S..[ST]..... (177)
.....[ST]..S.. (128)

129

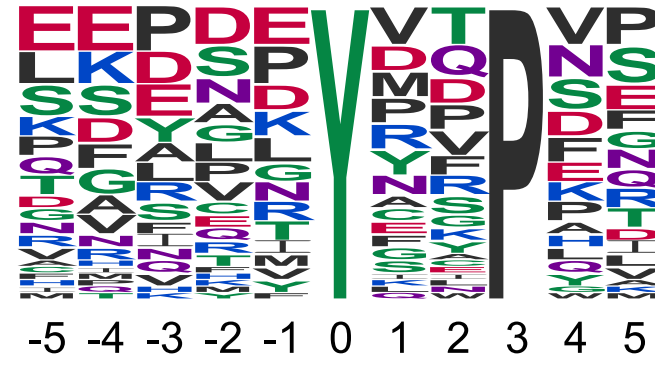
619/1333

58

0.63

FGFR2 TK_FGFR

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....Y...P.. (45)

99

45/363

1

0.63

KSR1 TKL_RAF

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (46)

34

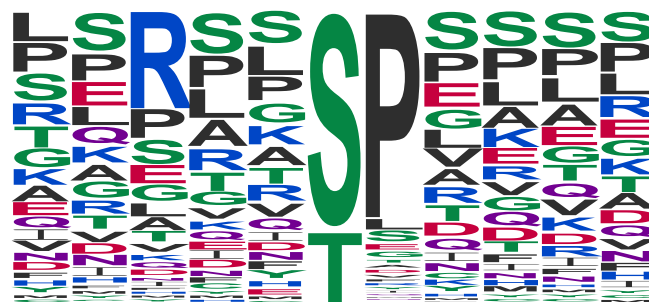
46/293

1

0.63

MAPK11 CMGC_MAPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..RI.[ST].S... (10)
...P.[ST]PP... (12)
..RR.[ST]..... (31)
.....[ST]P.... (527)
..R..[ST]..... (183)

181 763/2030 19 0.63

MAPK9 CMGC_MAPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

...P.[ST]P..V. (16)
..RR.[ST]..... (30)
.....[ST]P.... (412)
..R..[ST]..... (156)
...R.[ST]..... (94)

160 708/1710 45 0.63

PIK3CD PKL_PIK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

R.RT.[ST]..... (14)
R.R..[ST]..... (49)
..R..[ST]..... (210)
R..S.[ST]..... (35)
.D...[ST]..... (115)

230 427/1908 1 0.63

PRKCZ AGC_PKC

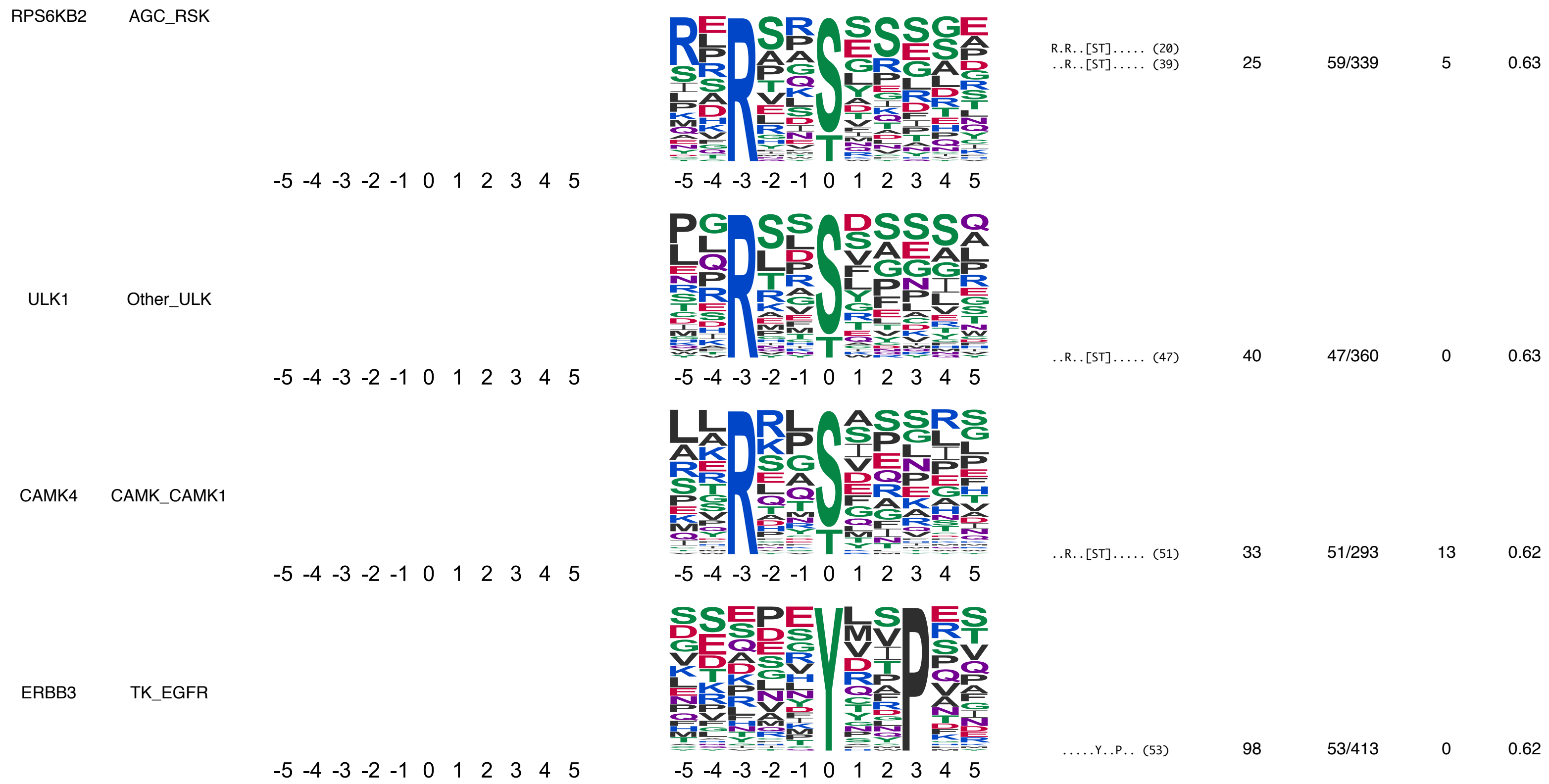
-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

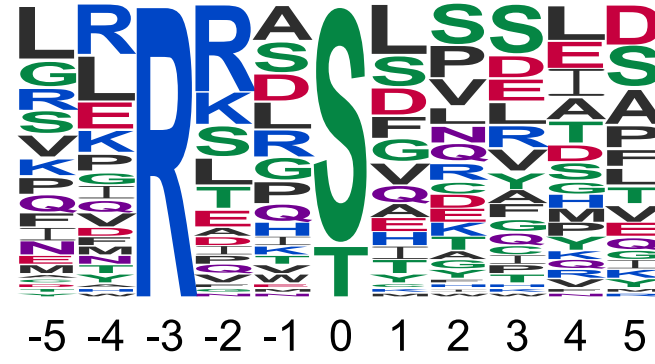
..RR.[ST]..... (31)
R.R..[ST]..... (35)
..R..[ST]..... (158)
...R.[ST]..... (148)
R....[ST]..... (107)

151 479/1549 56 0.63



GUCY2D RGC_RGC

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (19)
..R..[ST]..... (44)

83

63/298

0

0.62

IRAK1 TKL_IRAK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (133)
.....[ST]..D.. (90)
.....[ST]..E.. (109)

172

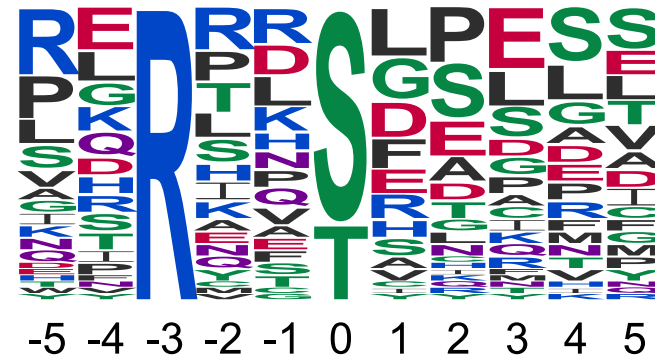
332/1146

16

0.62

MAP3K8 STE_STE-Unique

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (47)

27

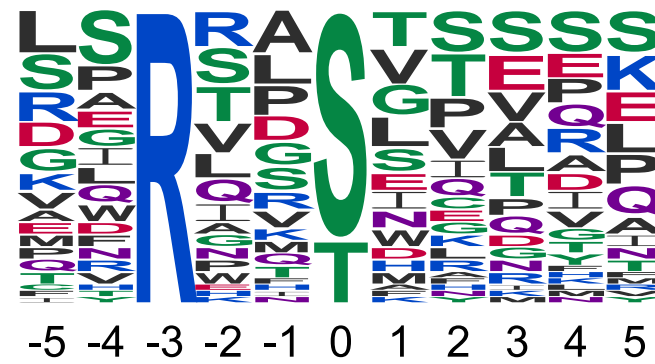
47/315

18

0.62

MARK1 CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5



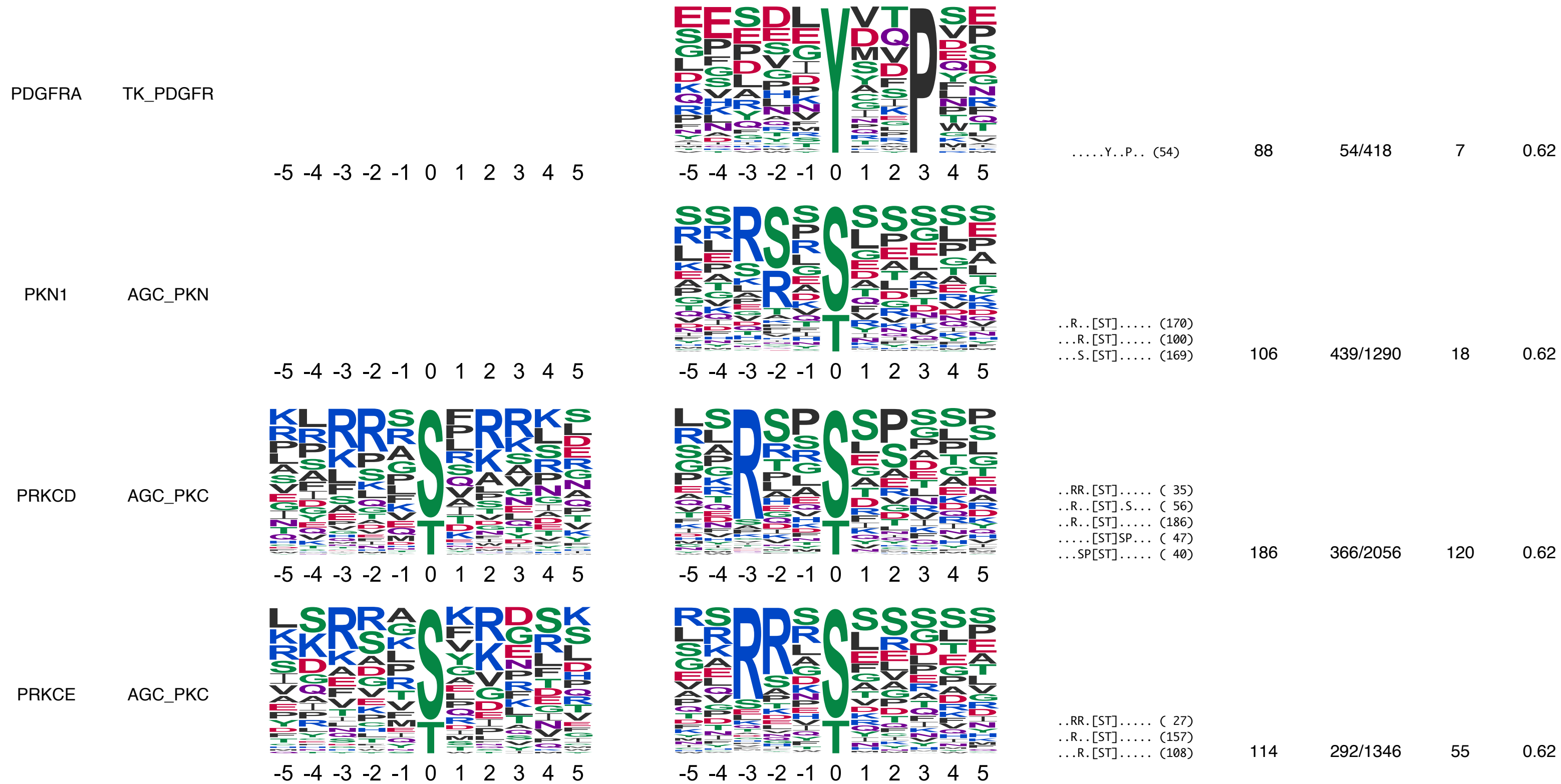
..R..[ST]..... (47)

22

47/348

18

0.62



PRKCG

AGC_PKC

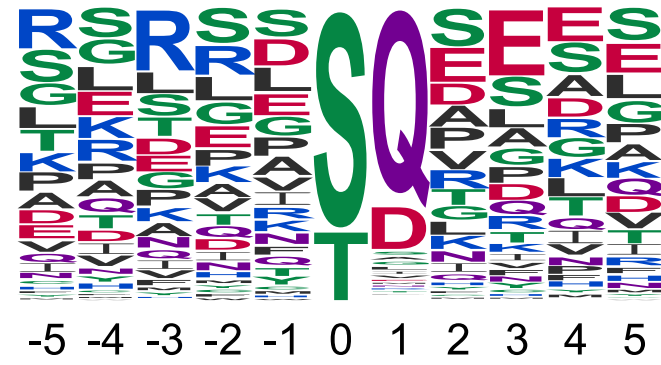
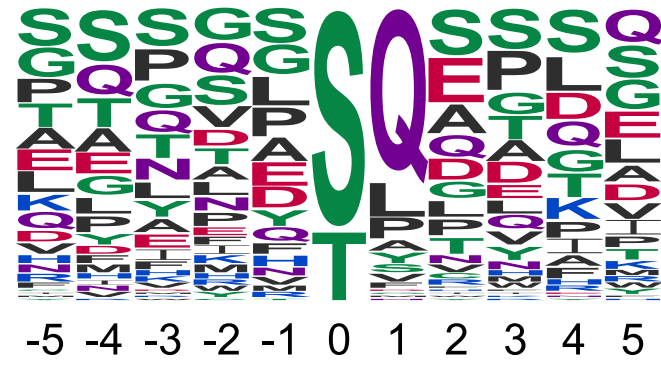


..RR.[ST]..... (25)
 ..R..[ST]..... (146)
 ...R.[ST]..... (117)
[ST]..R.. (80)
 R....[ST]..... (86)

139 454/1231 26 0.62

PRKDC

Atypical_PIKK

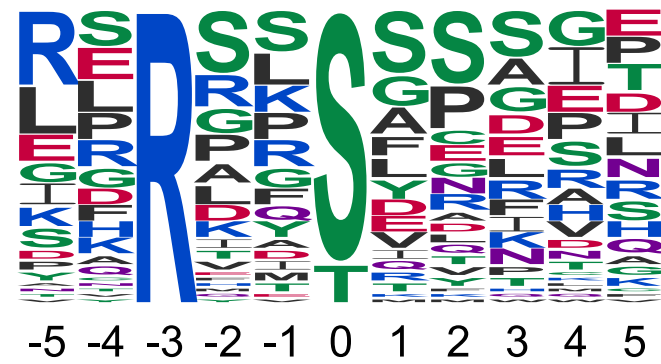
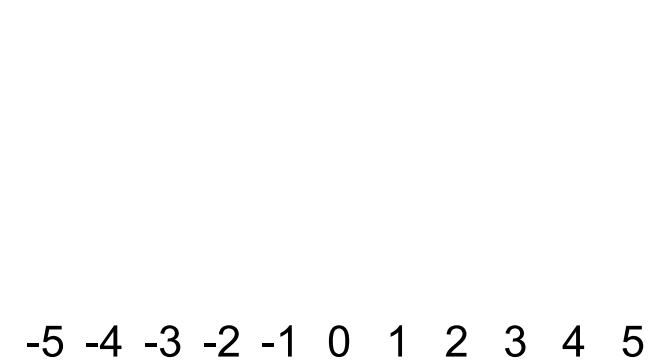


..D..[ST]D.E.. (11)
 R.R..[ST]..... (48)
 ..RR.[ST]..... (28)
[ST]D.E.. (49)
[ST]Q.... (277)

220 413/2533 95 0.62

RPS6KA2

AGC_RSK

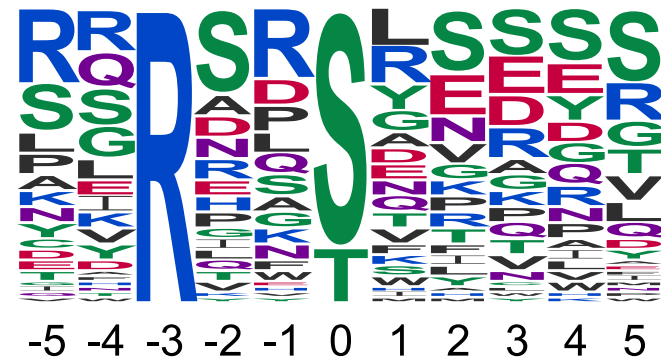
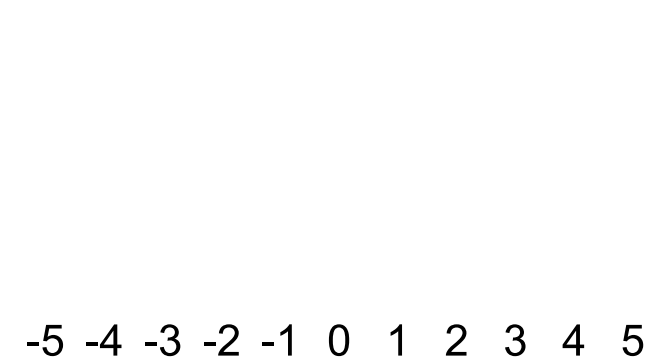


..R..[ST]..... (54)

36 54/384 3 0.62

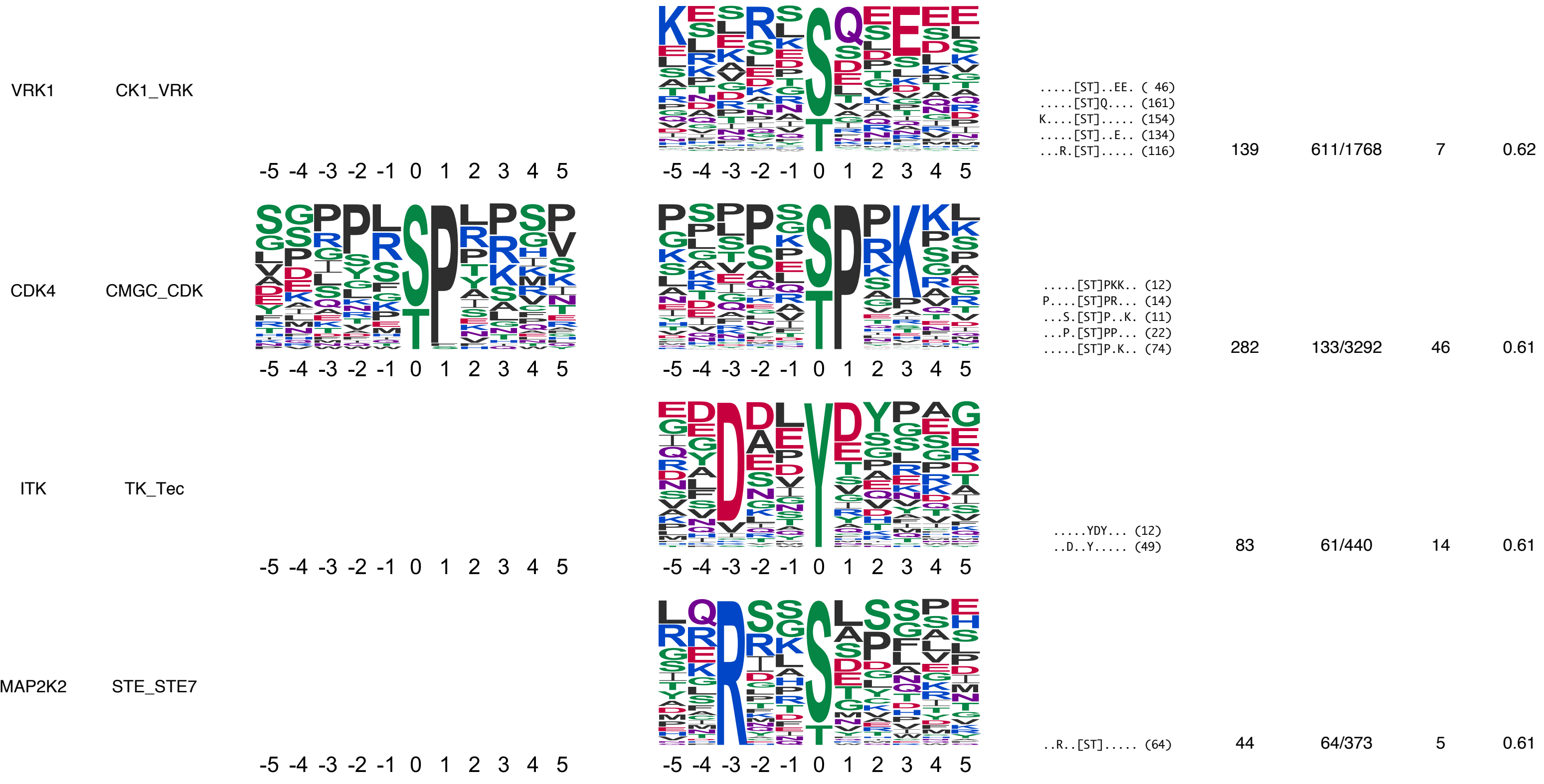
SMG1

Atypical_PIKK



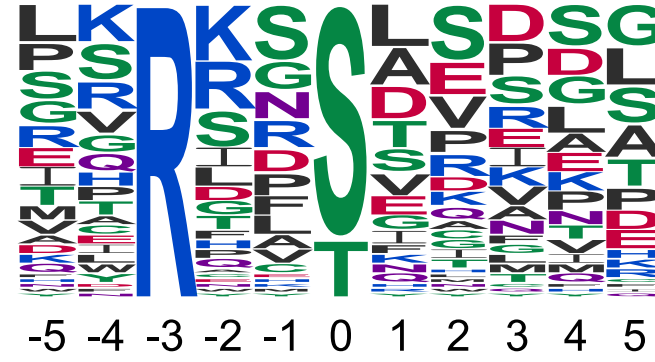
..R..[ST]..... (55)

42 55/469 5 0.62



MAP4K1 STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (61)

37

61/400

10

0.61

MAPK14 CMGC_MAPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



P....[ST]P.K.. (16)
K...K[ST]P.... (10)
..RR.[ST]..... (65)
R.R..[ST]..... (58)
I.R..[ST]..... (25)

355

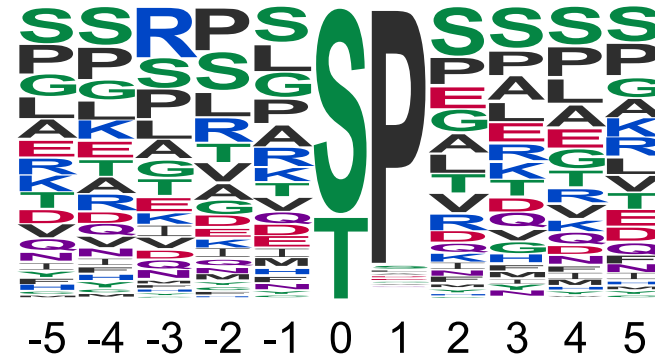
179/3666

142

0.61

MAPK8 CMGC_MAPK

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (53)
...P.[ST]PP... (17)
.....[ST]P...K (57)
..R..[ST].S... (63)
.....[ST]P.... (766)

274

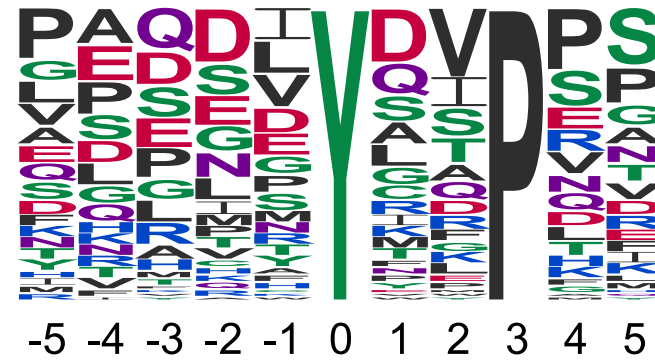
956/3379

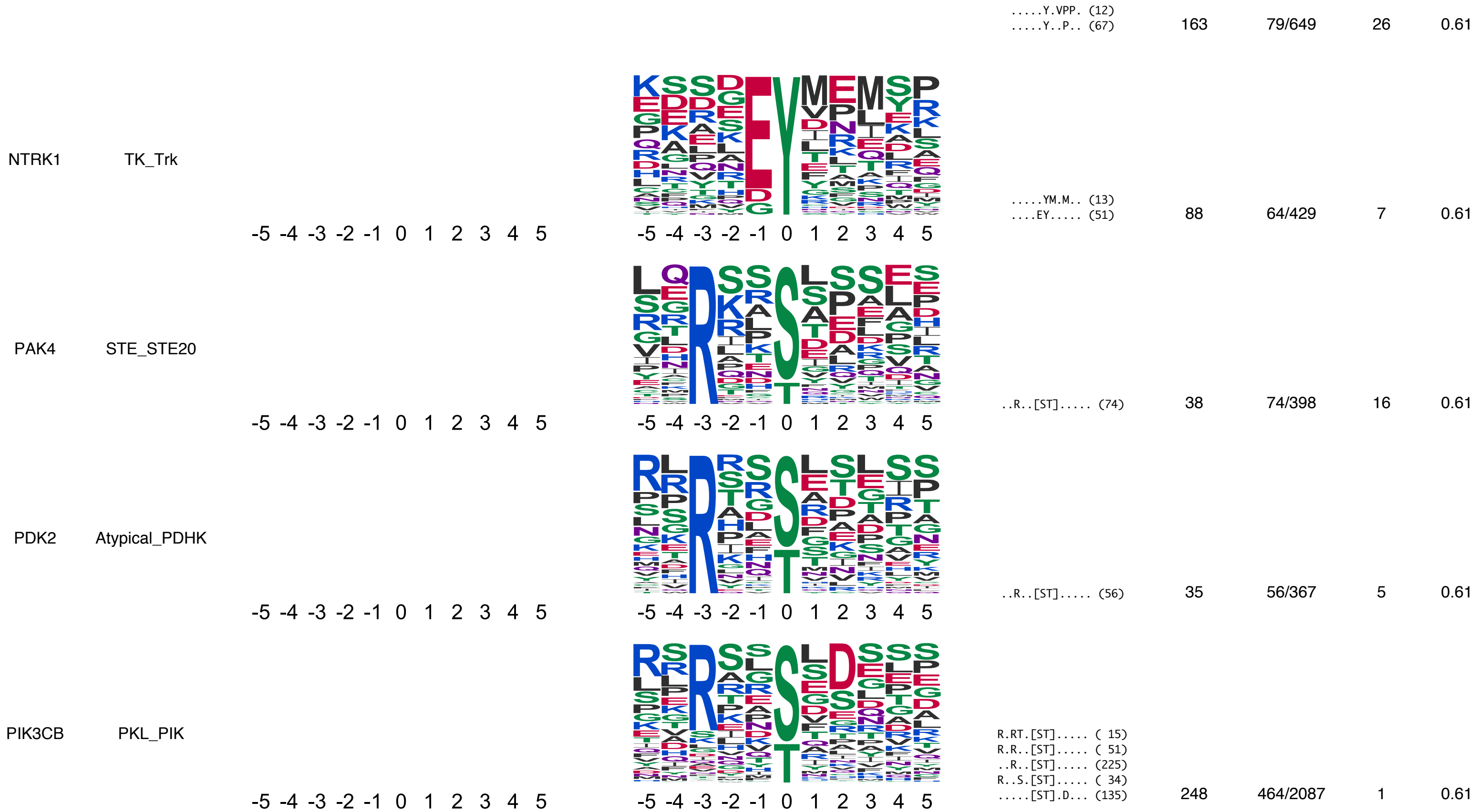
106

0.61

MET TK_Met

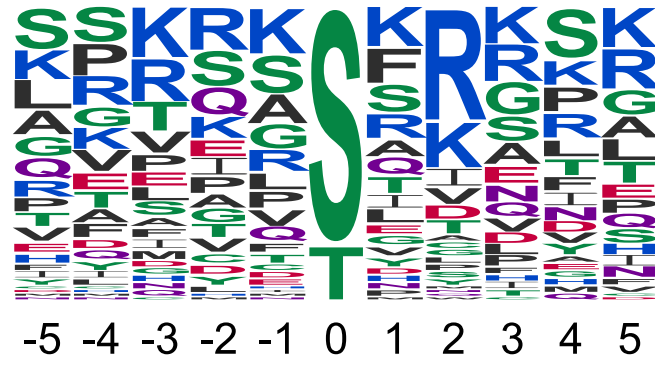
-5 -4 -3 -2 -1 0 1 2 3 4 5





PRKCB

AGC_PKC

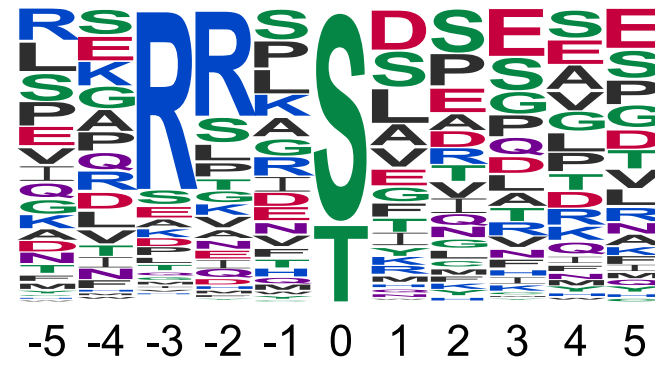
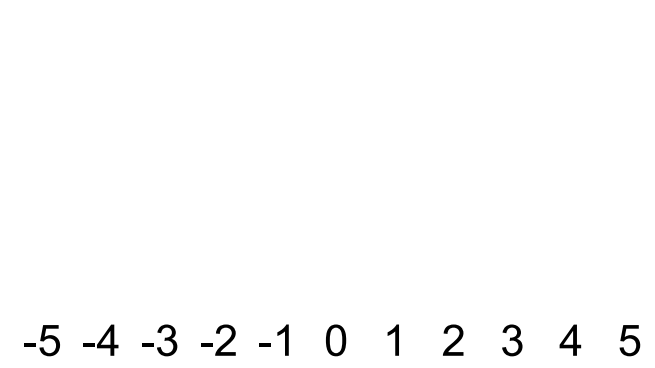


..RR.[ST]..... (38)
 ..R..[ST]..... (183)
 ...R.[ST]..... (148)
[ST]..E.. (128)
 ..S..[ST]..... (213)

162 710/1813 80 0.61

RAF1

TKL_RAF



..R..[ST]..... (203)
[ST]D.E.. (26)
 ...R.[ST]..... (100)

168 329/1540 13 0.61

STK3

STE_STE20



..R..[ST]..... (64)

50 64/401 21 0.61

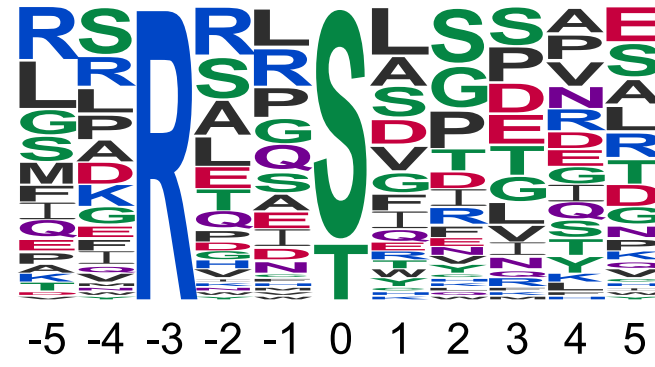
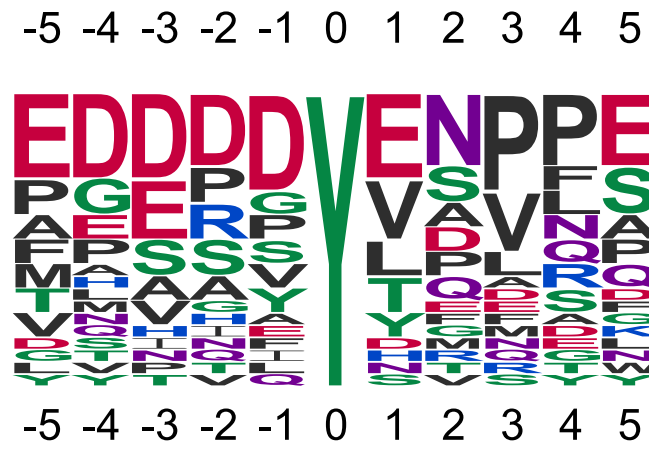
WNK1

Other_WNK

..R..[ST]..... (66)

40 66/414 6 0.61

ZAP70 TK_Syk



.....Y..P.. (63)

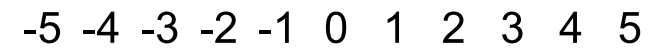
94

63/559

24

0.61

AKT2 AGC_Akt



R..RT.[ST]..... (18)
 RPR..[ST]..... (13)
 ..RR.[ST]..... (29)
 R.R..[ST]..... (46)
 ..R..[ST]..... (158)

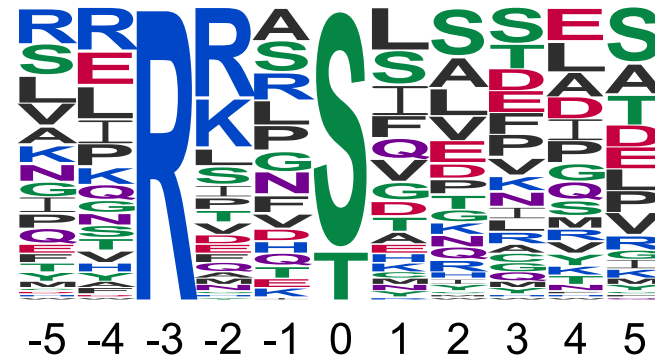
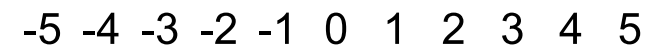
130

264/1514

19

0.60

GUCY2C RGC_RGC



..RR.[ST]..... (29)
 ..R..[ST]..... (65)

103

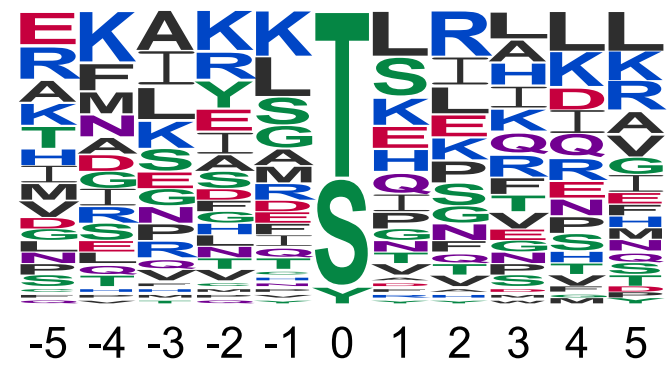
94/489

0

0.60

LRRK2

TKL_LRRK



..R..[ST]..... (57)

46

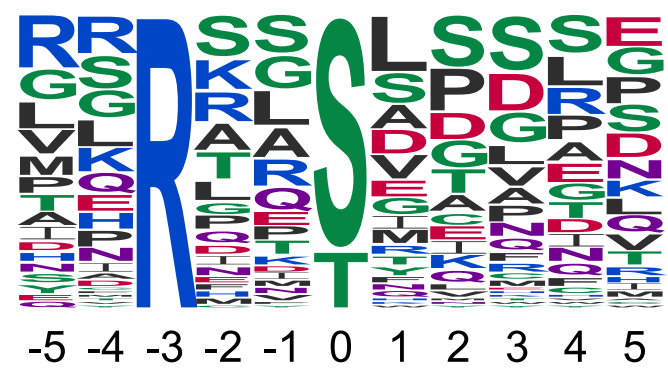
57/466

51

0.60

MAP2K3

STE_STE7



..R..[ST]..... (82)

59

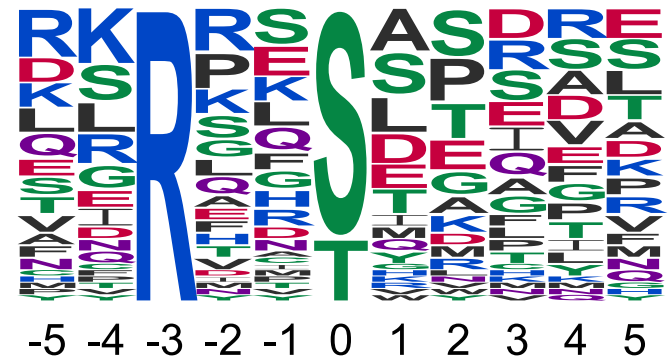
82/471

6

0.60

PIM1

CAMK_PIM



..R..[ST]..... (47)

49

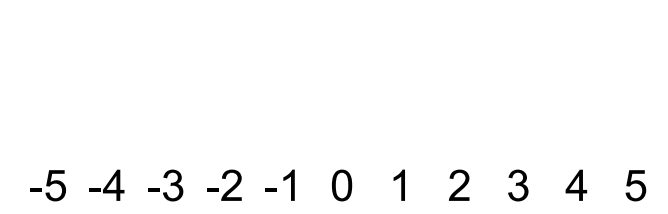
47/383

26

0.60

PRKX

AGC_PKA



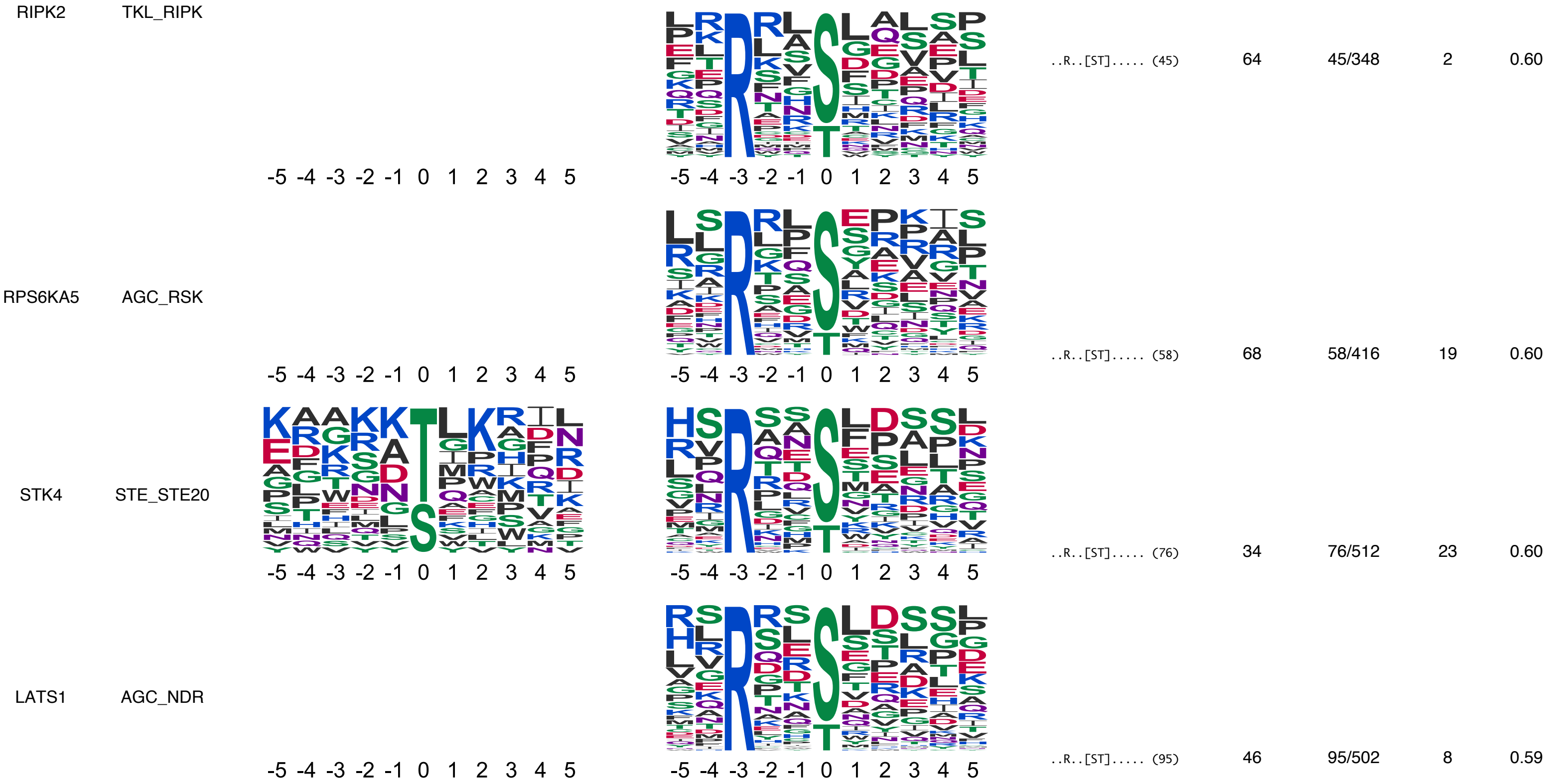
..RR.[ST]..... (26)
..R..[ST]..... (70)

84

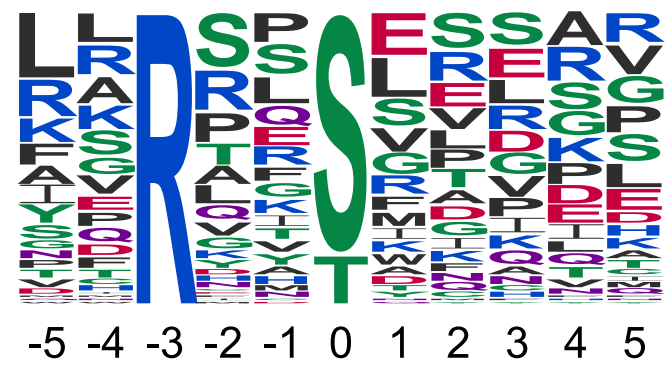
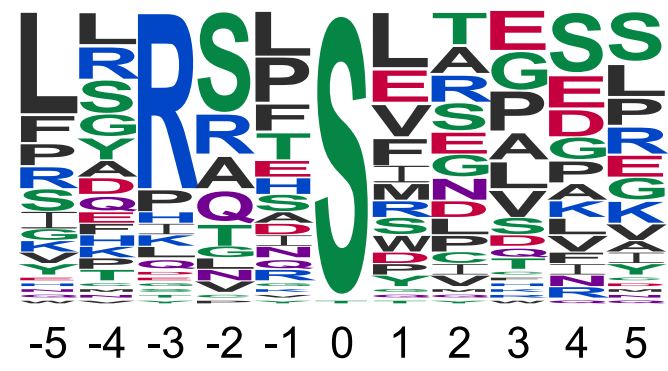
96/493

2

0.60

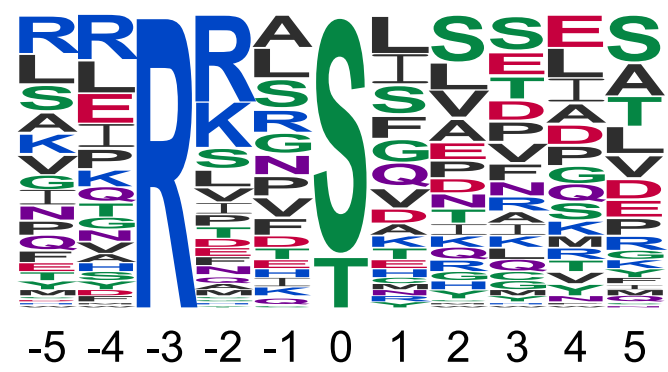
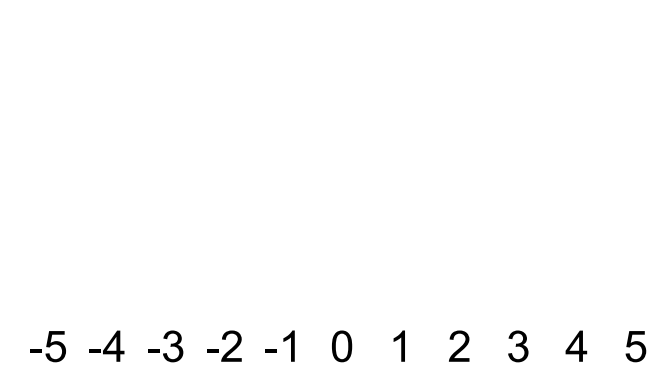


MAPKAPK2 CAMK_MAPKAPK



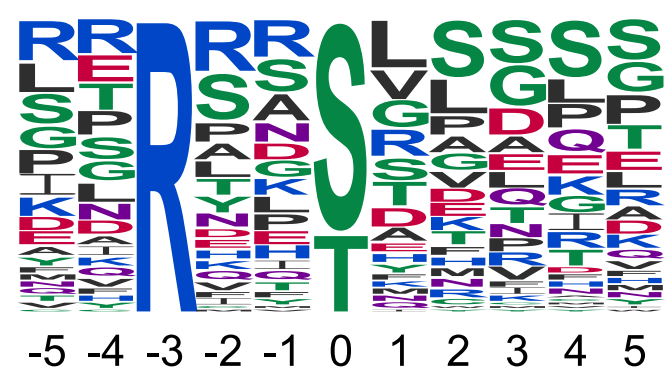
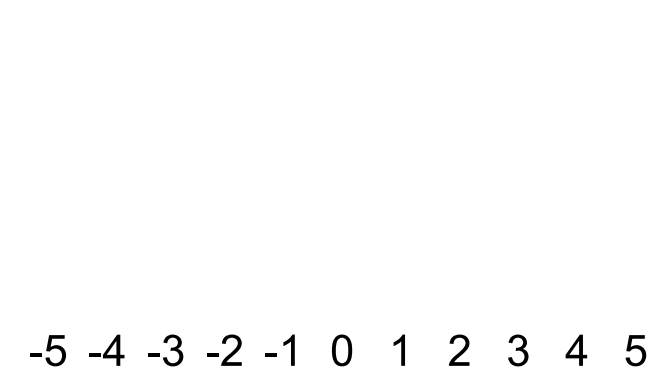
..R..[ST]..... (91) 57 91/542 51 0.59

NPR1 RGC_RGC



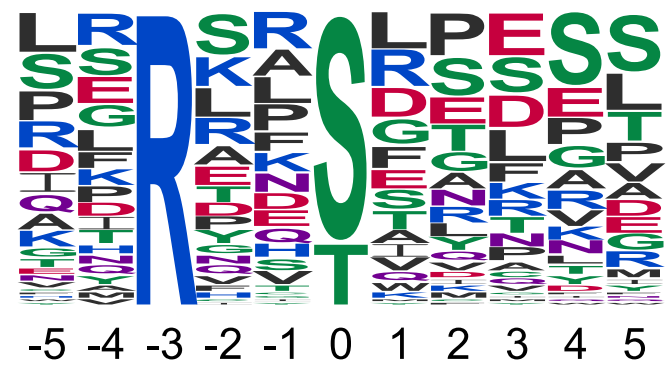
..RR.[ST]..... (29)
 ..R..[ST]..... (68) 108 97/479 0 0.59

SLK STE_STE20



..RR.[ST]..... (15)
 ..R..[ST]..... (68) 52 83/587 2 0.59

TBK1 Other_IKK



..R..[ST]..... (86) 93 86/700 26 0.59

TYK2

TK_JAK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

....DY..... (57)
.....Y..M.. (27)

130

84/485

9

0.59

ULK2

Other_ULK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (79)

52

79/542

0

0.59

BLK

TK_Src

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

.D...YE.P.. (13)
.....Y.VPP. (11)
.....Y..P.. (56)
.E...Y..... (56)

81

136/485

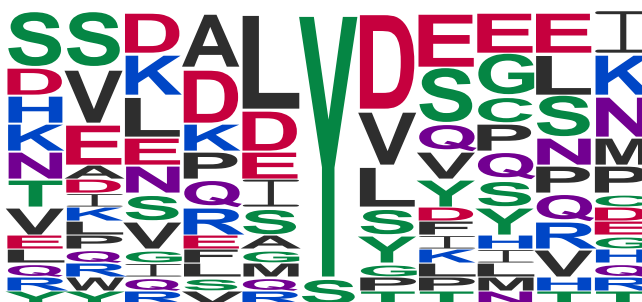
4

0.58

BTK

TK_Tec

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

.....YE.P.. (12)
.....YD..... (69)

156

81/767

21

0.58

CAMK2G CAMK_CAMK2

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (24)
..R..[ST]..... (91)

96

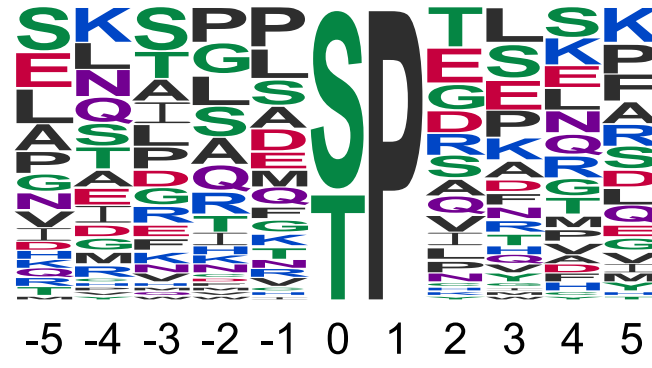
115/788

16

0.58

ERN1 Other_IRE

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....[ST]P.... (65)

55

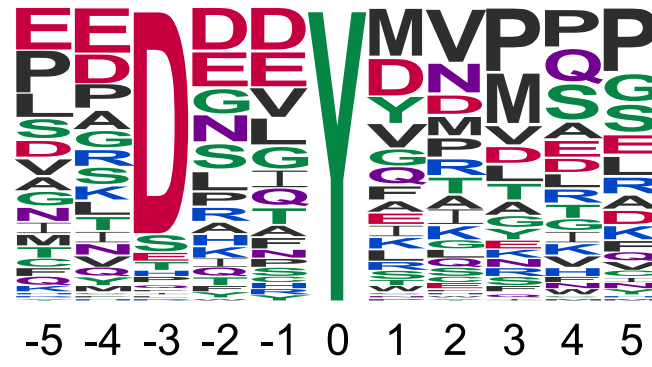
65/422

0

0.58

IGF1R TK_InsR

-5 -4 -3 -2 -1 0 1 2 3 4 5



.....Y.VPP. (11)
.....YM.M.. (14)
..D..Y..... (71)

187

96/788

14

0.58

LATS2 AGC_NDR

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (77)

43

77/549

4

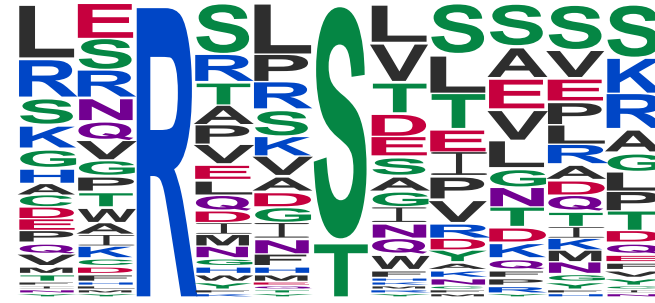
0.58

MARK4 CAMK_CAMKL

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (75)

47

75/671

2

0.58

PDPK1 AGC_PDK1

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (96)

56

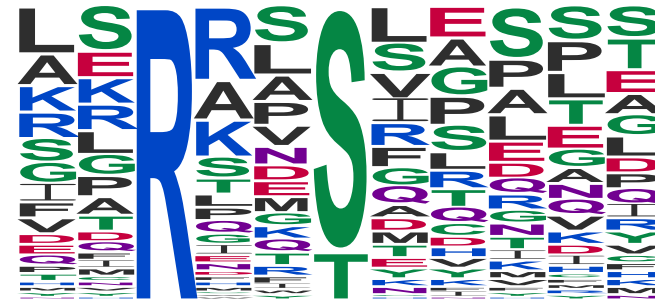
96/744

33

0.58

PRKACB AGC_PKA

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..RR.[ST]..... (28)

..R..[ST]..... (83)

95

111/591

1

0.58

PRKCA AGC_PKC

.ARR.[ST]..... (10)

R.R..[ST]..S.. (15)

..RR.[ST]..... (50)

..R..[ST]..... (324)

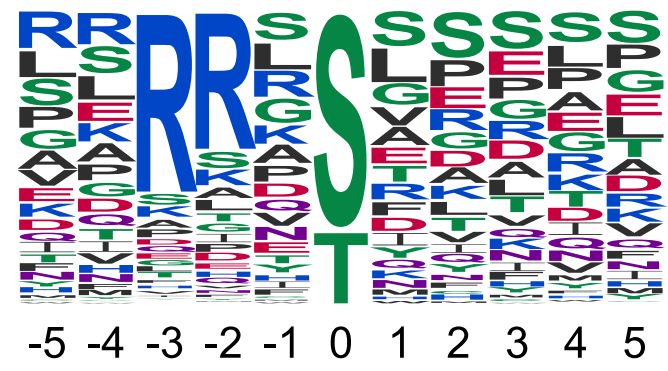
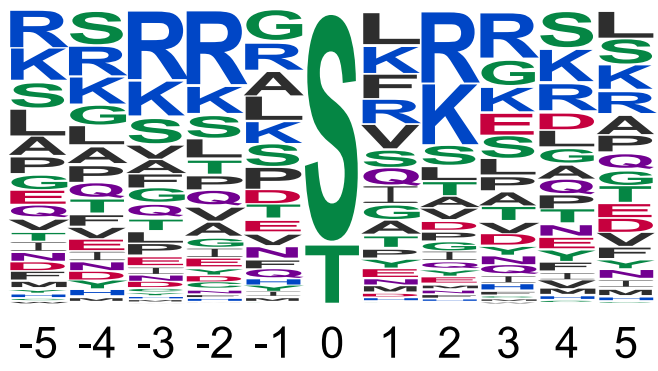
...R.[ST]..... (245)

324

644/2928

469

0.58



...R.[ST]..... (74) 50 74/776 2 0.57

-5 -4 -3 -2 -1 0 1 2 3 4 5

-5 -4 -3 -2 -1 0 1 2 3 4 5

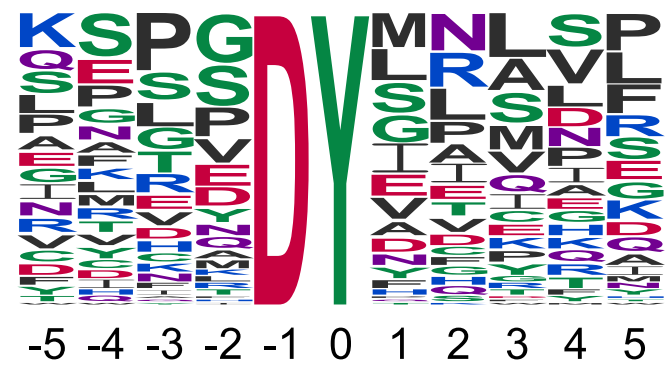
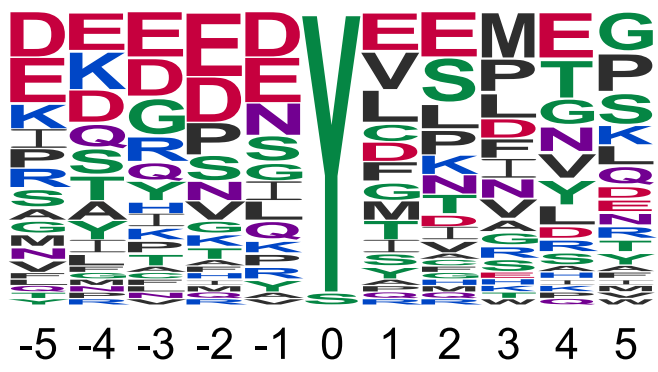
CIT AGC_DMPK

ERBB4 TK_EGFR

-5 -4 -3 -2 -1 0 1 2 3 4 5

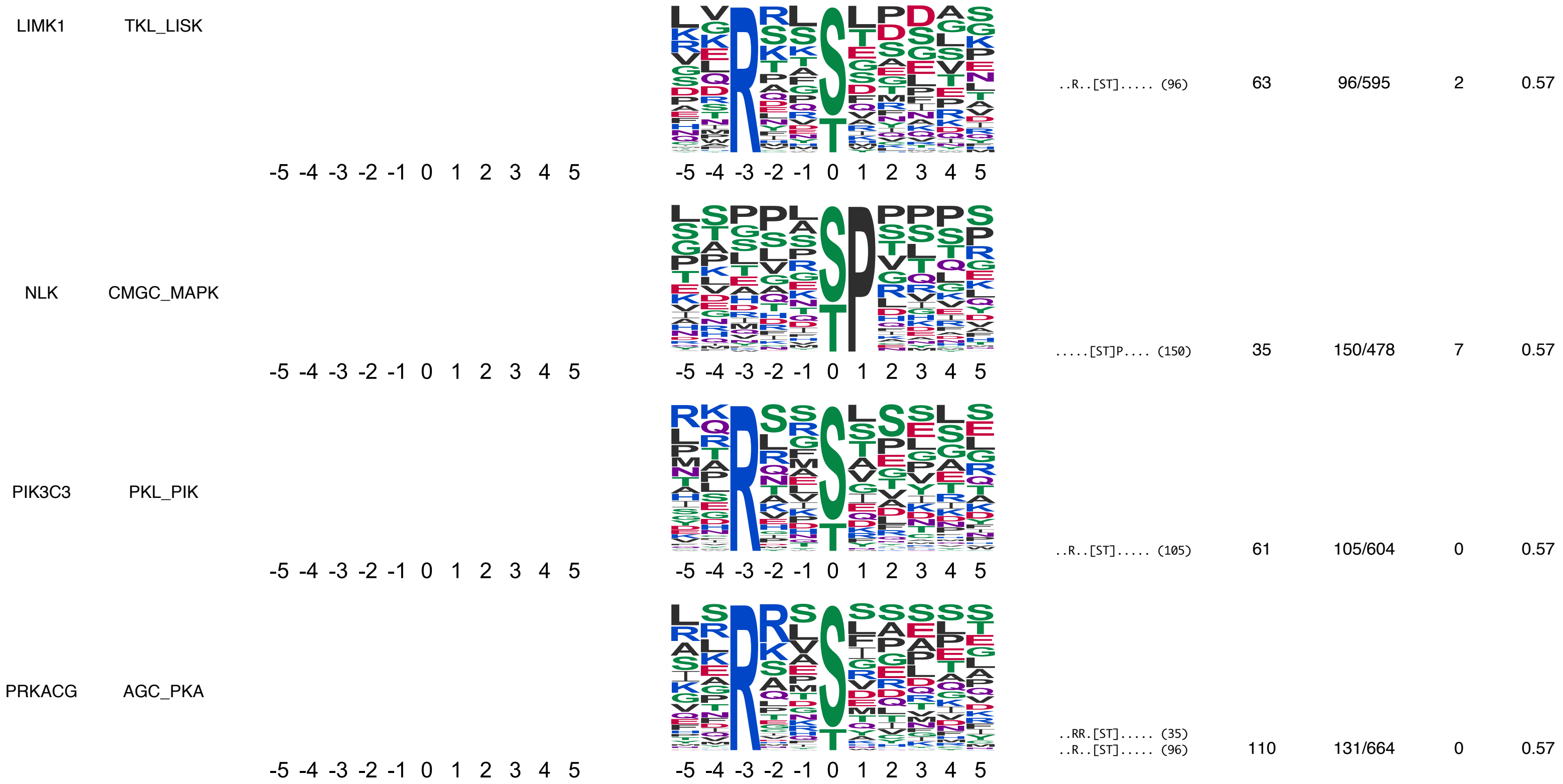
-5 -4 -3 -2 -1 0 1 2 3 4 5

.....Y..P.. (55)
 ..D..Y..... (43) 115 98/425 1 0.57



....DY..... (89) 246 89/966 45 0.57

INSR TK_InsR



AURKC

Other_Aur

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..RR.[ST]..... (19)
..R..[ST]..... (85)

58

104/922

2

0.56

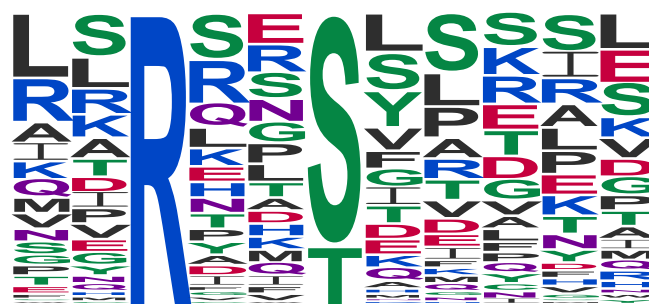
CAMK2A

CAMK_CAMK2

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (113)

91

113/805

74

0.56

CSK

TK_Csk

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



.....Y.VPP. (11)
...P.Y..... (75)
..D..Y..... (61)

133

147/706

15

0.56

EPHA2

TK_Eph

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



.....Y.VPP. (11)
.....Y..P.. (67)
.....YE..... (60)
...P.Y..... (47)

85

185/537

15

0.56

JAK3 TK_JAK

-5 -4 -3 -2 -1 0 1 2 3 4 5



....DY..... (57)
....EY..... (62)

133

119/590

13

0.56

MAP2K1 STE_STE7

-5 -4 -3 -2 -1 0 1 2 3 4 5



..RR.[ST]..... (20)
..R..[ST]..... (110)

114

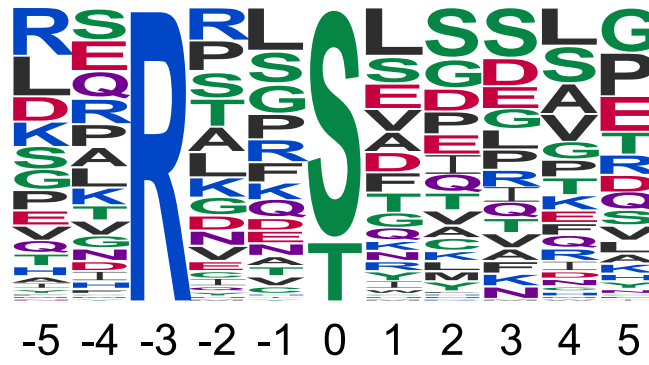
130/974

17

0.56

MAP2K4 STE_STE7

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (116)

110

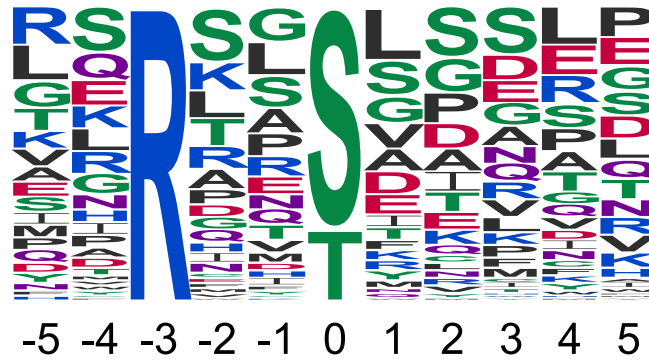
116/961

13

0.56

MAP2K6 STE_STE7

-5 -4 -3 -2 -1 0 1 2 3 4 5



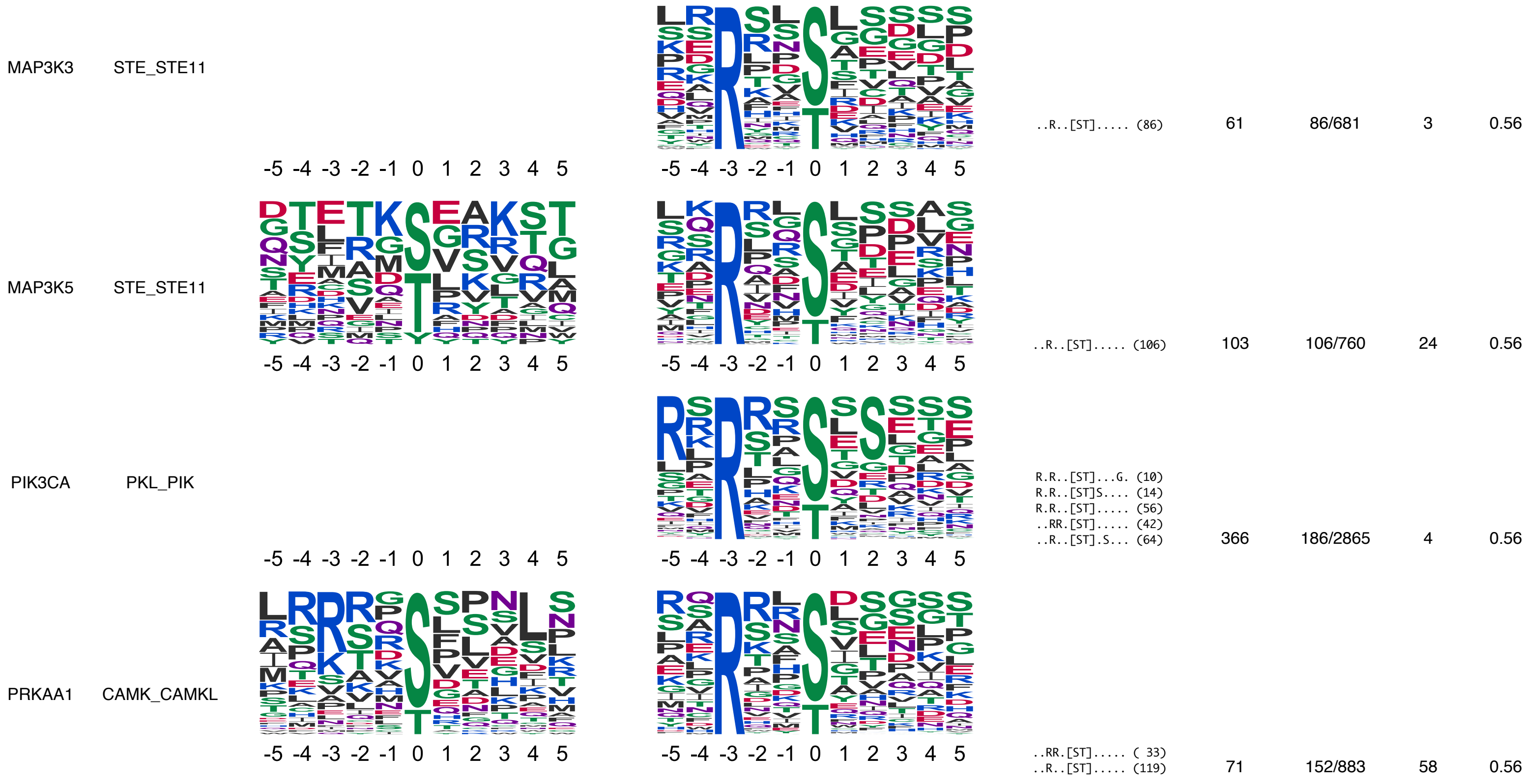
..R..[ST]..... (116)

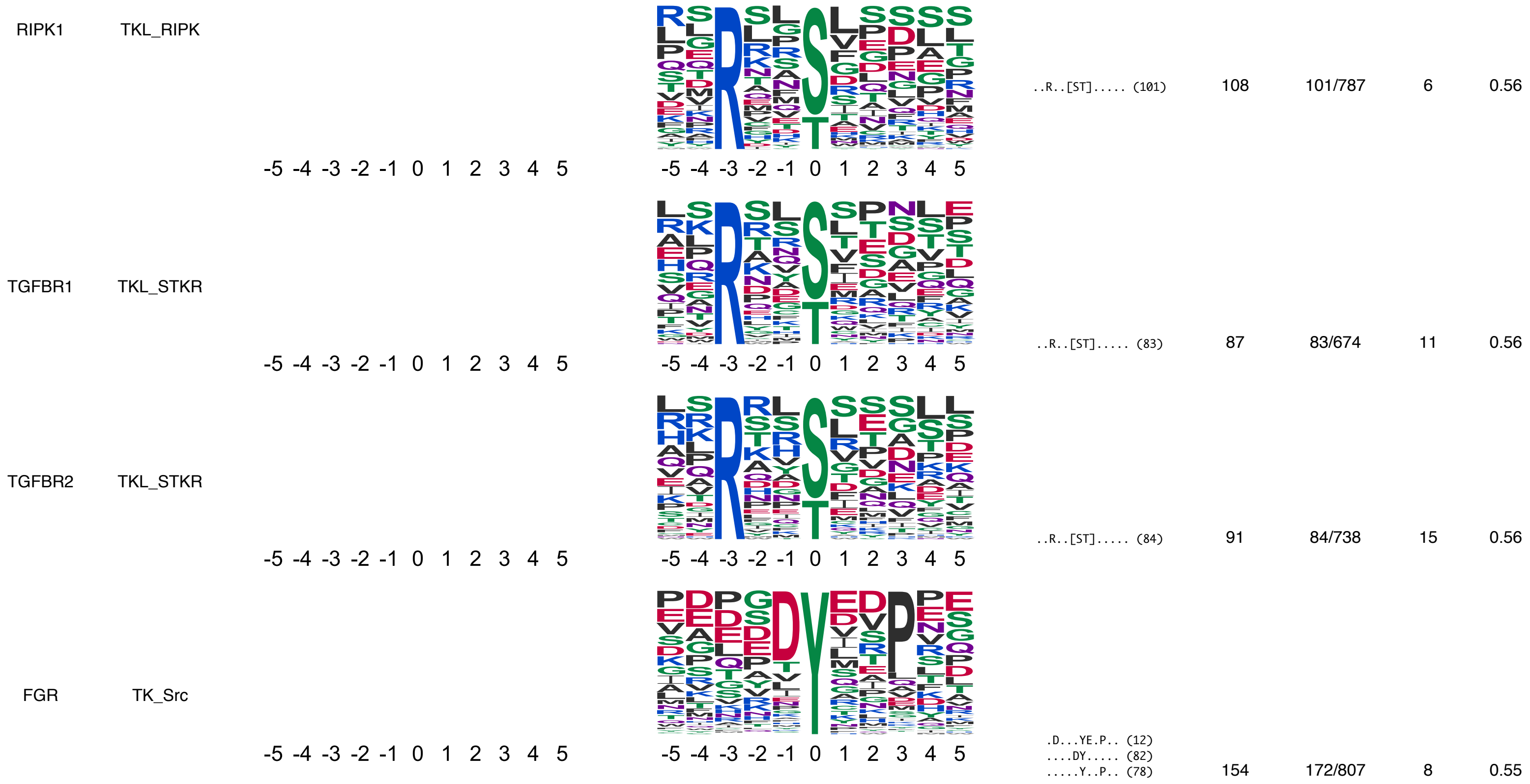
81

116/717

9

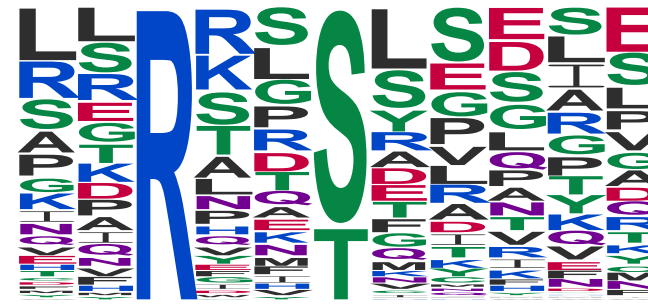
0.56





ILK TKL_MLK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..RR.[ST]..... (23)
..R..[ST]..... (117)

104

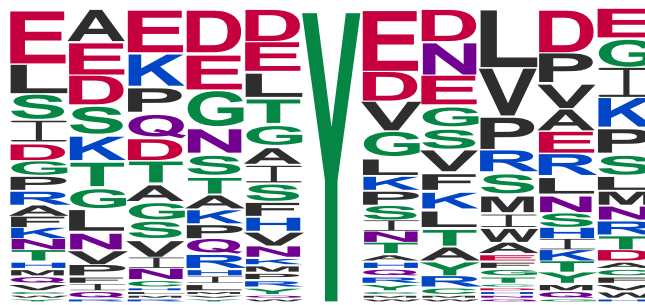
140/1147

8

0.55

LYN TK_Src

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

.D...YE.P.. (13)
...VYD.P.. (10)
...DY..... (139)
.....YD.P.. (18)
..D..Y..... (106)

243

286/1268

79

0.55

MAP3K7 TKL_MLK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

..R..[ST]..... (119)

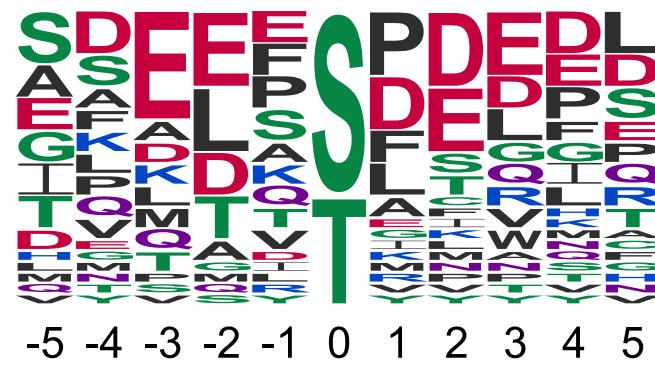
126

119/911

12

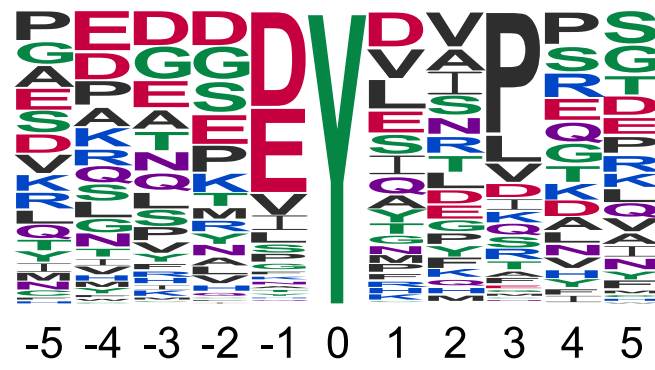
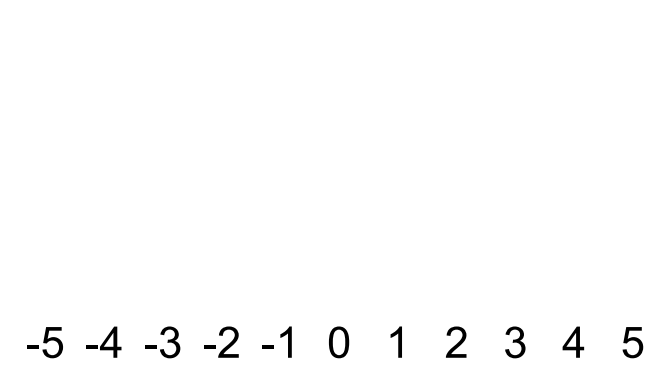
0.55

PLK3 Other_PLK



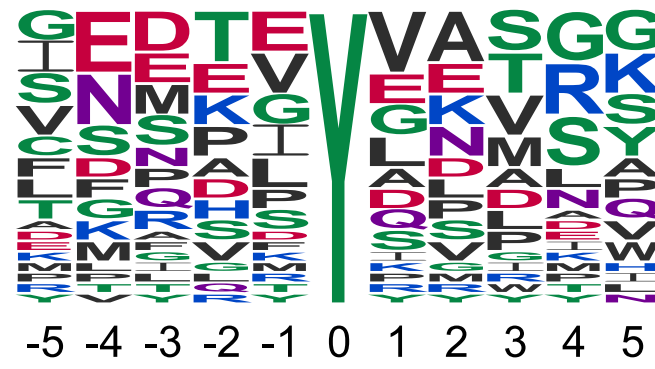
..R..[ST]..... (88) 52 88/754 27 0.55

PTK2B TK_FAK



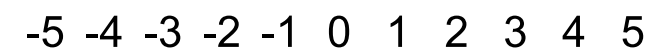
....VYD.P... (10)
Y.VP... (20)
DY..... (76)
Y..P... (64)
EY..... (62) 125 232/714 12 0.55

RET TK_Ret



.....YD.PP. (10)
Y.N.... (49)
Y..P... (63) 163 122/585 28 0.55

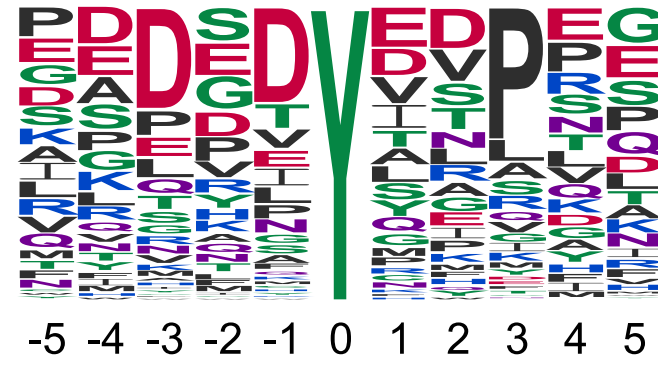
TAOK1 STE_STE20



..RR.[ST]..... (25)
 ..R..[ST]..... (107) 76 132/1116 0 0.55

HCK

TK_Src



.D...YE.P... (12)
YD.P... (17)
 ..D..Y..... (82)
DY..... (72)
Y..P.. (67)

161

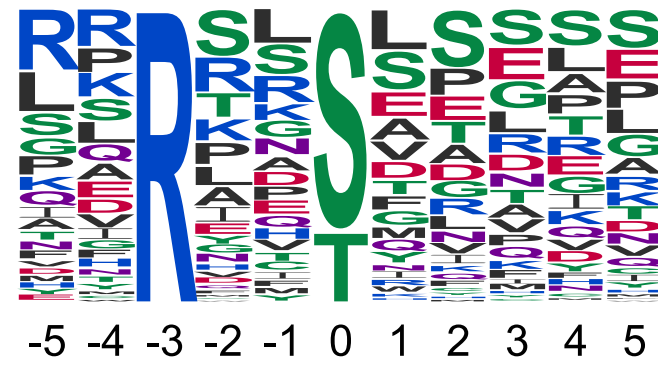
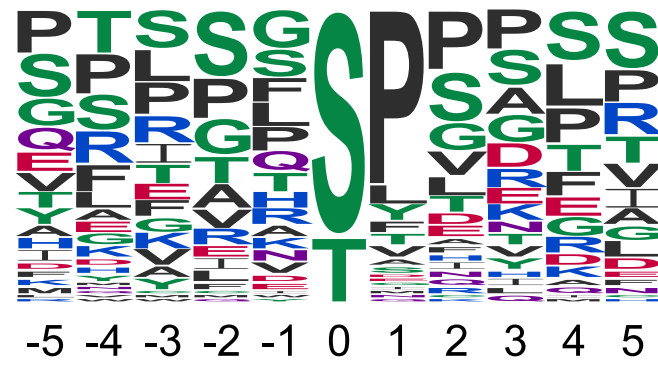
250/853

25

0.54

MTOR

Atypical_PIKK



RPR..[ST]..... (10)
 R.R..[ST]..S... (15)
 ..RR.[ST]..... (43)
 R.R..[ST]..... (48)
 ..R..[ST]..... (245)

264

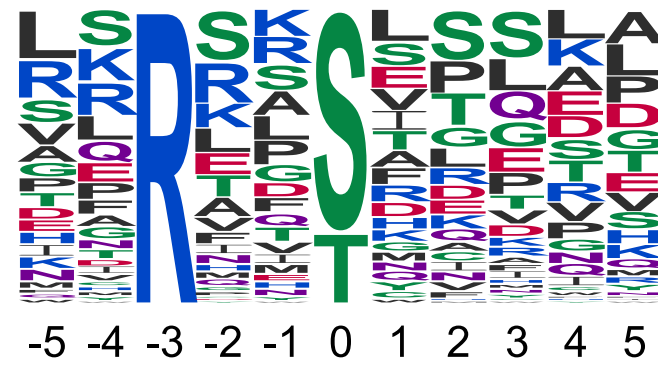
361/2509

72

0.54

PLK2

Other_PLK



..R..[ST]..... (119)

65

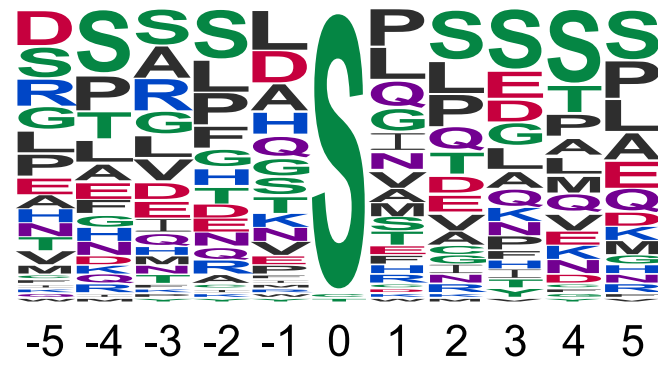
119/969

11

0.54

IKBKB

Other_IKK



R.R..[ST]...G. (10)
 R.R..[ST]..... (43)
 ..RR.[ST]..... (23)
 ..R..[ST]..... (134)

164

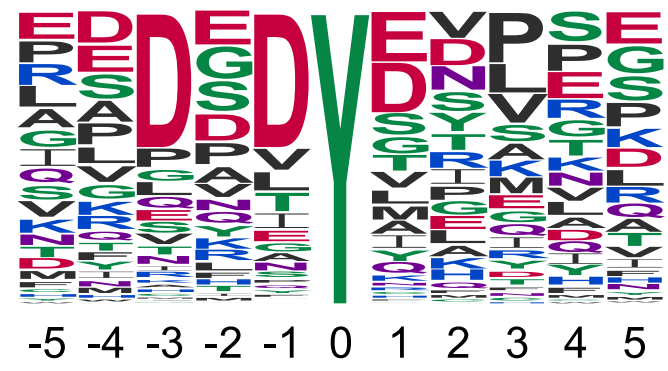
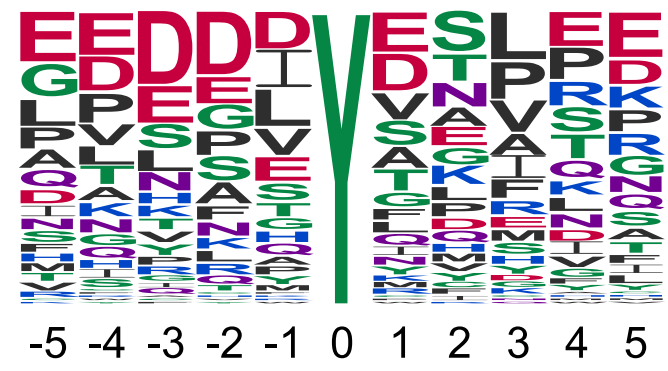
210/1585

63

0.53

LCK

TK_Src

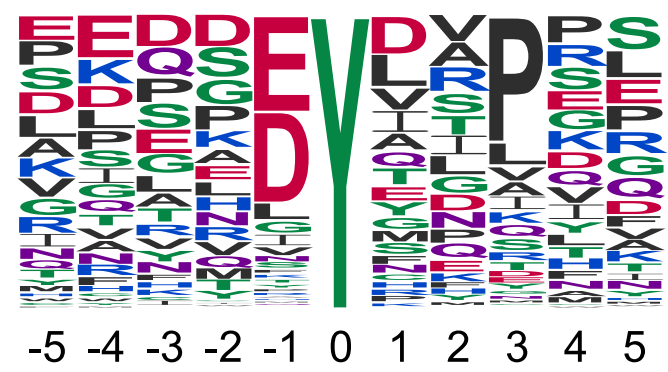
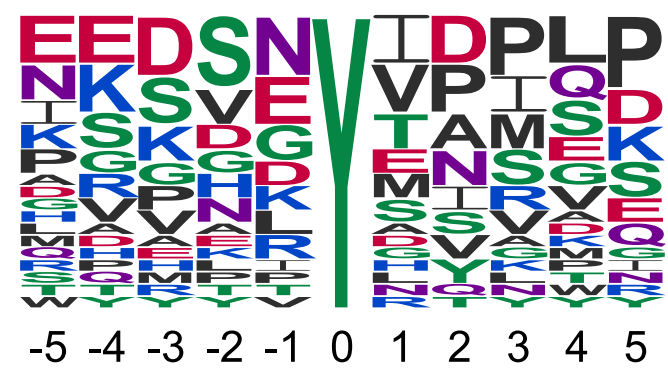


.D...YE.P.. (13)
YD.PP. (13)
 ..D..Y..... (144)
DY..... (127)
YDY... (15)

275 312/1362 91 0.53

PDGFRB

TK_PDGFR

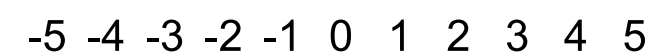


.....YD.PP. (10)
Y..P.. (92)
DY..... (68)
EY..... (66)

153 236/769 24 0.53

JAK1

TK_JAK

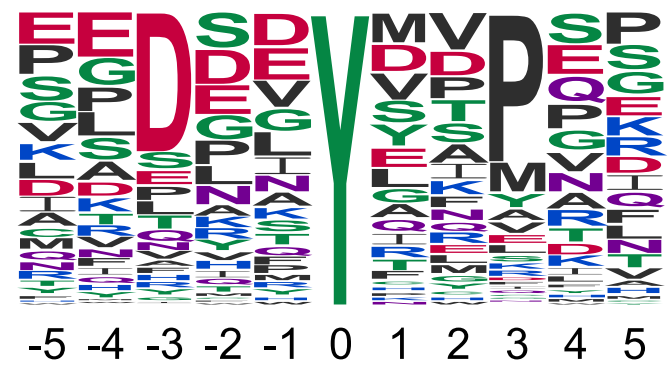
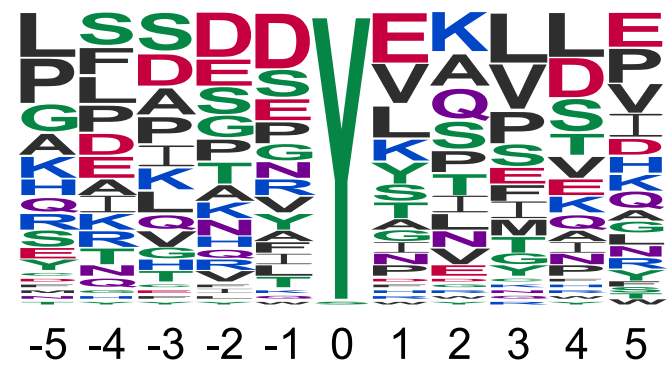


....EY..... (78)
DY..... (71)
 ..D..Y..... (58)

174 207/743 15 0.52

JAK2

TK_JAK

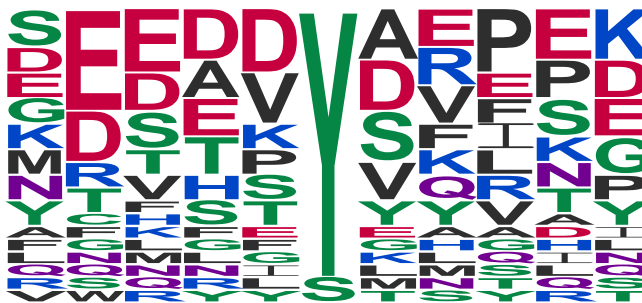


.....YM.M.. (11)
 ..D..Y..... (98)
Y..P.. (96)

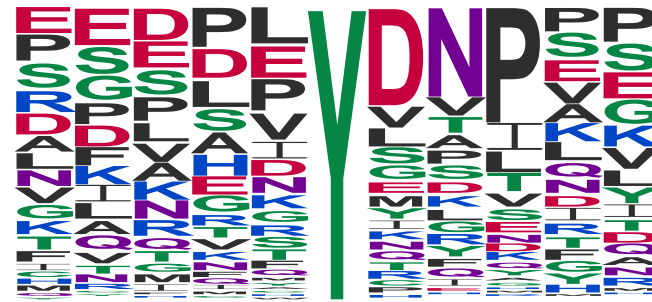
272 205/1050 51 0.52

KDR TK_VEGFR

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5



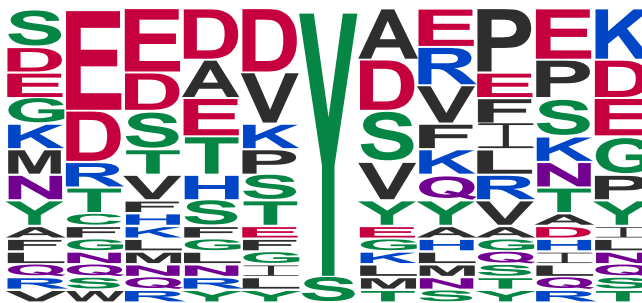
-5 -4 -3 -2 -1 0 1 2 3 4 5

.....Y..P.. (68)
.....Y.N... (51)
.....YD.... (52)

163 171/631 10 0.52

PTK2 TK_FAK

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

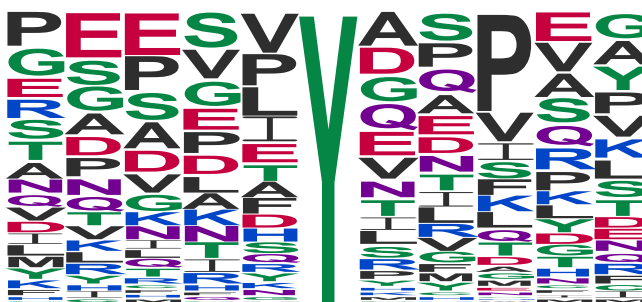


....VYD.P.. (10)
.....Y.VP.. (22)
....DY..... (108)
..D..Y..... (89)
.....Y...P. (70)

180 299/1021 23 0.52

YES1 TK_Src

-5 -4 -3 -2 -1 0 1 2 3 4 5



-5 -4 -3 -2 -1 0 1 2 3 4 5

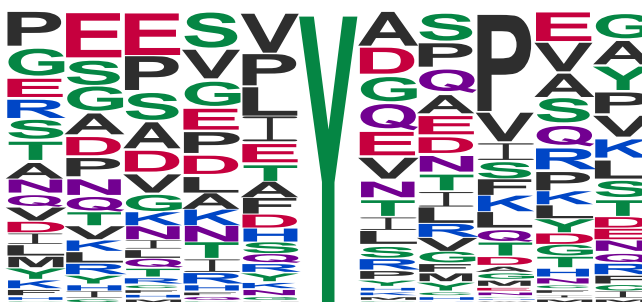


.D...YE.P.. (10)
.....Y..P.. (114)
....DY..... (95)
..D..Y..... (72)

179 291/1012 10 0.52

ABL1 TK_Abl

-5 -4 -3 -2 -1 0 1 2 3 4 5

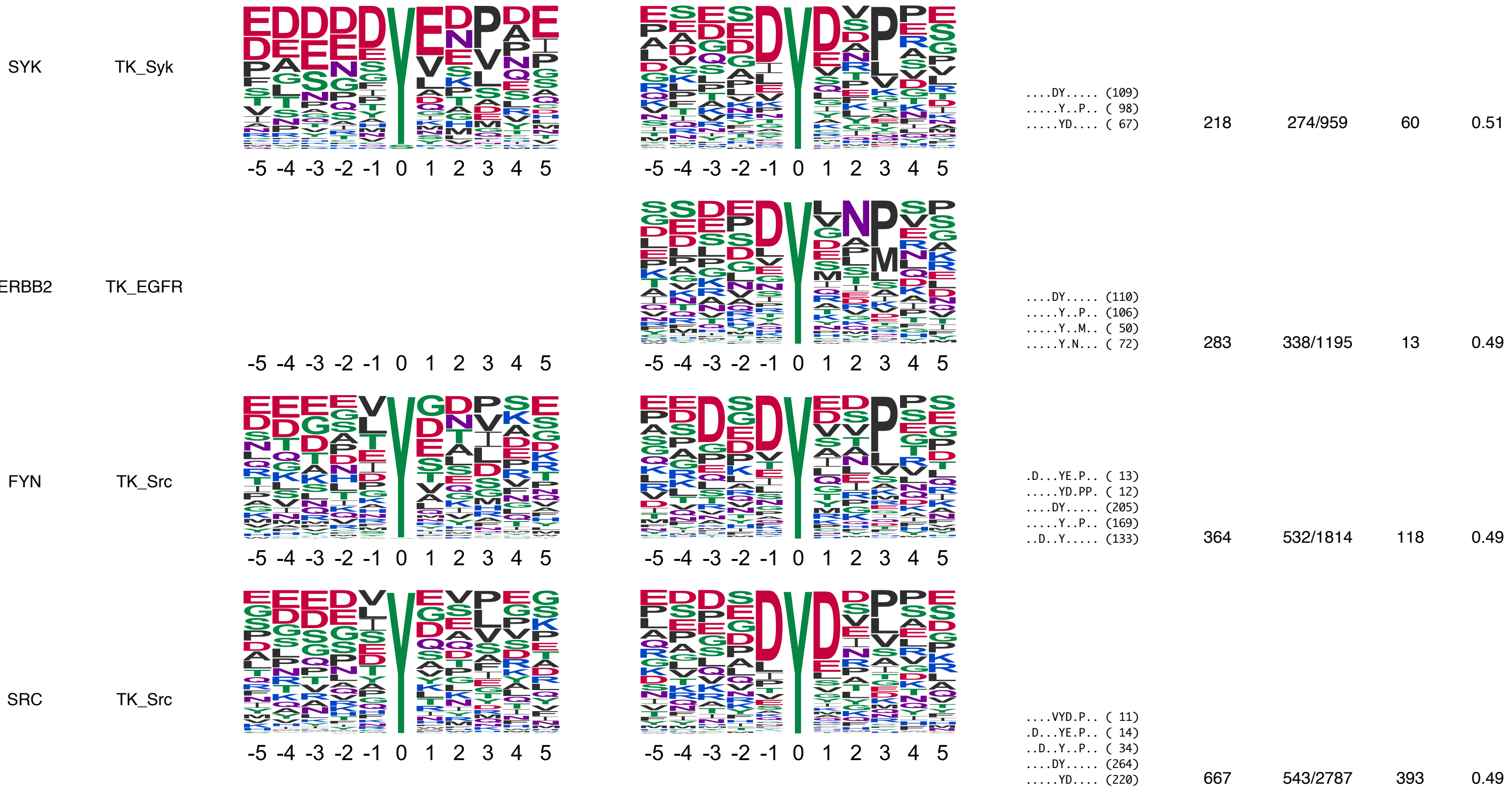


-5 -4 -3 -2 -1 0 1 2 3 4 5

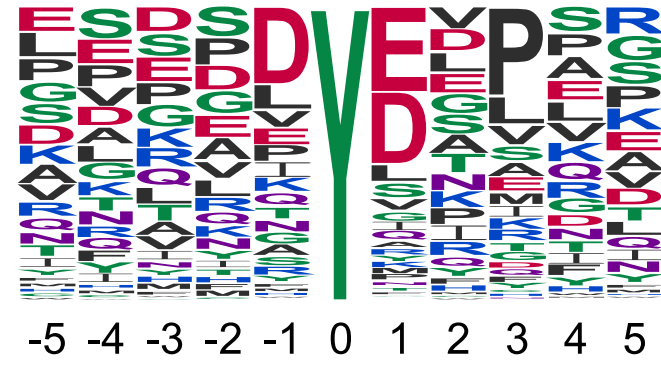
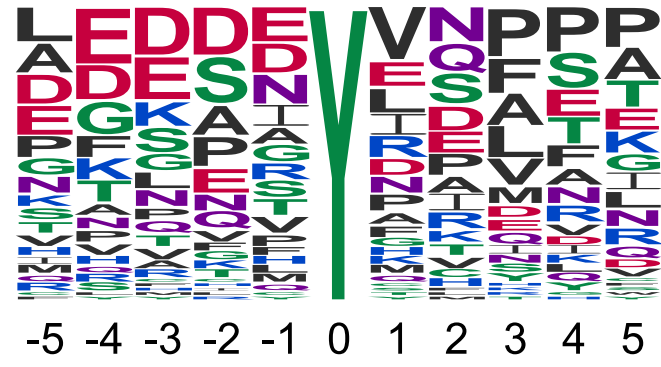


.....YD.PP. (14)
....TY.DP.. (12)
.....Y..P.. (164)
....DY..... (123)
..D..Y..... (90)

262 403/1308 126 0.51



EGFR TK_EGFR

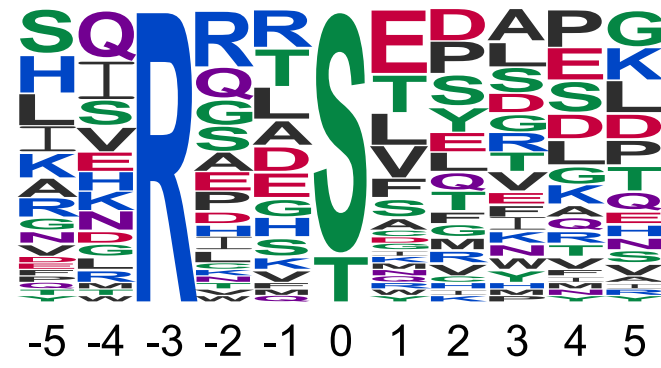


.....Y..P.. (204)
DY..... (170)
YE.... (172)
YD.... (128)

535 674/2050 66 0.44

STK26 STE_STE20

-5 -4 -3 -2 -1 0 1 2 3 4 5



..R..[ST]..... (45)

36 45/299 4 NA