

A) AG

Rank	5' extension	Occurrence	3' extension	Occurrence	5' + 3' extension combination	Occurrence	Expected occurrence	Observed / expected
1	TTT	71	AAA	357	5'-TTT + 3'-AAA	31	32.207	0.963
2	TTA	59	CAA	95	5'-TTA + 3'-AAA	27	26.764	1.009
3	AAA	46	TAA	94	5'-AAA + 3'-AAA	22	20.867	1.054
4	TTG	39	AAG	48	5'-TTG + 3'-AAA	21	17.691	1.187
5	ATA	35	GAA	28	5'-ATA + 3'-AAA	16	15.877	1.008

B) AP1

Rank	5' extension	Occurrence	3' extension	Occurrence	5' + 3' extension combination	Occurrence	Expected occurrence	Observed / expected
1	TTT	29	AAA	49	5'-TTA + 3'-AAA	5	3.311	1.51
2	TTA	20	CAA	15	5'-TTT + 3'-TAA	4	1.372	2.916
3	ATA	12	TAA	14	5'-TTT + 3'-AAA	4	4.801	0.833
4	CTT	11	ATA	12	5'-AAT + 3'-AAA	4	1.159	3.452
5	AAA	11	AAG	11	5'-TAT + 3'-AAA	3	0.828	3.624

C) AP3

Rank	5' extension	Occurrence	3' extension	Occurrence	5' + 3' extension combination	Occurrence	Expected occurrence	Observed / expected
1	AAA	43	AAA	186	5'-AAA + 3'-AAA	17	14.411	1.18
2	TTT	39	TAA	83	5'-TTT + 3'-AAA	16	13.07	1.224
3	TTA	28	CAA	65	5'-TTA + 3'-AAA	12	9.384	1.279

4	AAT	24	GAA	36	5'-AAT + 3'-AAA	11	8.043	1.368
5	TTG	19	ATA	31	5'-TTG + 3'-AAA	9	6.368	1.413

D) FLC

Rank	5' extension	Occurrence	3' extension	Occurrence	5' + 3' extension combination	Occurrence	Expected occurrence	Observed / expected
1	TTT	10	AAA	52	5'-TTT + 3'-AAA	6	7.647	0.785
2	ATT	5	TAA	12	5'-ATT + 3'-AAA	4	3.824	1.046
3	TTG	3	AAT	3	5'-TTT + 3'-TAA	3	1.765	1.7
4	TTA	3	CAA	1	5'-TTG + 3'-AAA	3	2.294	1.308
5	ATA	3	-	-	5'-TTA + 3'-AAA	3	2.294	1.308

E) PI

Rank	5' extension	Occurrence	3' extension	Occurrence	5' + 3' extension combination	Occurrence	Expected occurrence	Observed / expected
1	TTT	135	AAA	465	5'-TTT + 3'-AAA	49	54.023	0.907
2	TTA	109	TAA	133	5'-TTA + 3'-AAA	42	43.619	0.963
3	ATT	57	CAA	109	5'-AAA + 3'-AAA	25	22.41	1.116
4	AAA	56	AAG	70	5'-ATA + 3'-AAA	24	20.409	1.176
5	ATA	51	ATA	53	5'-AAT + 3'-AAA	21	16.407	1.28

F) SEP3

Rank	5' extension	Occurrence	3' extension	Occurrence	5' + 3' extension combination	Occurrence	Expected occurrence	Observed / expected
1	TTT	193	AAA	1301	5'-TTT + 3'-	92	90.549	1.016

					AAA			
2	AAA	179	CAA	257	5'-AAA + 3'-AAA	90	83.981	1.072
3	TTA	157	TAA	239	5'-TTA + 3'-AAA	74	73.659	1.005
4	ATA	104	AAG	164	5'-ATA + 3'-AAA	52	48.793	1.066
5	ATT	84	GAA	127	5'-AAT + 3'-AAA	45	39.41	1.142

G) SOC1

Rank	5' extension	Occurrence	3' extension	Occurrence	5' + 3' extension combination	Occurrence	Expected occurrence	Observed / expected
1	TTT	78	AAA	229	5'-TTT + 3'-AAA	36	45.566	0.79
2	TTA	42	TAA	40	5'-TTA + 3'-AAA	22	24.536	0.897
3	ATT	27	CAA	33	5'-TTG + 3'-AAA	15	12.268	1.223
4	ATA	22	GAA	15	5'-ATT + 3'-AAA	12	15.773	0.761
5	TTG	21	AAT	14	5'-AAT + 3'-AAA	11	9.347	1.177

H) SVP

Rank	5' extension	Occurrence	3' extension	Occurrence	5' + 3' extension combination	Occurrence	Expected occurrence	Observed / expected
1	TTT	18	AAA	119	5'-TTT + 3'-AAA	12	12.17	0.986
2	AAT	9	TAA	32	5'-AAA + 3'-AAA	8	6.085	1.315
3	AAA	9	AAG	6	5'-AAT + 3'-AAA	7	6.085	1.15
4	TTG	7	AAT	4	5'-TTG + 3'-AAA	6	4.733	1.268
5	TGA	7	TCA	3	5'-TCT + 3'-AAA	5	4.733	1.056