

Input Sequence

E D V G A P P D H L W V H Q E G I Y R D E Y Q R T W



PSI-BLAST

PSSM

A	R	N	D	C	Q	E	G	H	I	L	K	M	F	P	S	T	W	Y	V
4	-2	-1	-2	-1	-1	-1	0	-2	-2	-2	-1	-1	-2	-1	2	0	-3	-2	0
-1	2	-1	-2	-3	-1	-2	4	-2	-3	-2	-1	-2	2	-3	1	-1	-2	-1	-3
1	-1	-1	3	-3	1	3	0	-1	-2	-2	-1	-2	-3	-2	0	-1	-3	-3	0
-1	1	0	2	-3	1	2	-2	4	-2	-3	0	-2	-3	3	-1	-1	-3	-1	-2
0	-2	-2	-3	-1	-2	-2	-3	-3	1	2	-2	2	-1	-2	-1	2	-3	-2	2
0	-3	-1	-2	-3	-2	-2	5	-3	-4	-4	-2	-3	-4	4	-1	1	-3	-3	-3
2	-2	-2	1	-2	-2	-1	-2	-2	-1	0	-2	-1	1	3	0	0	-2	-1	0
-2	-2	-2	-2	-3	-1	-2	-3	6	-2	0	-2	-2	-3	6	-1	-2	-4	-1	-3
-2	-3	-3	-3	-4	-2	-2	-3	-3	-4	-4	-2	-4	-5	8	-2	-2	-5	-4	-3
-2	0	1	5	2	-1	0	-1	1	-1	-2	-1	-2	-3	-2	-1	0	-4	-2	1
-2	5	-1	-3	-4	0	-1	-3	5	-3	-2	0	-2	2	-3	-2	-2	-1	3	-3
-2	-3	-4	-5	-2	-3	-4	-5	-4	1	5	-3	1	0	-4	-3	-2	-2	-2	0
-3	-4	-5	-5	-3	-3	-4	-4	-4	-1	-2	-4	-2	0	-4	-4	-3	11	1	2

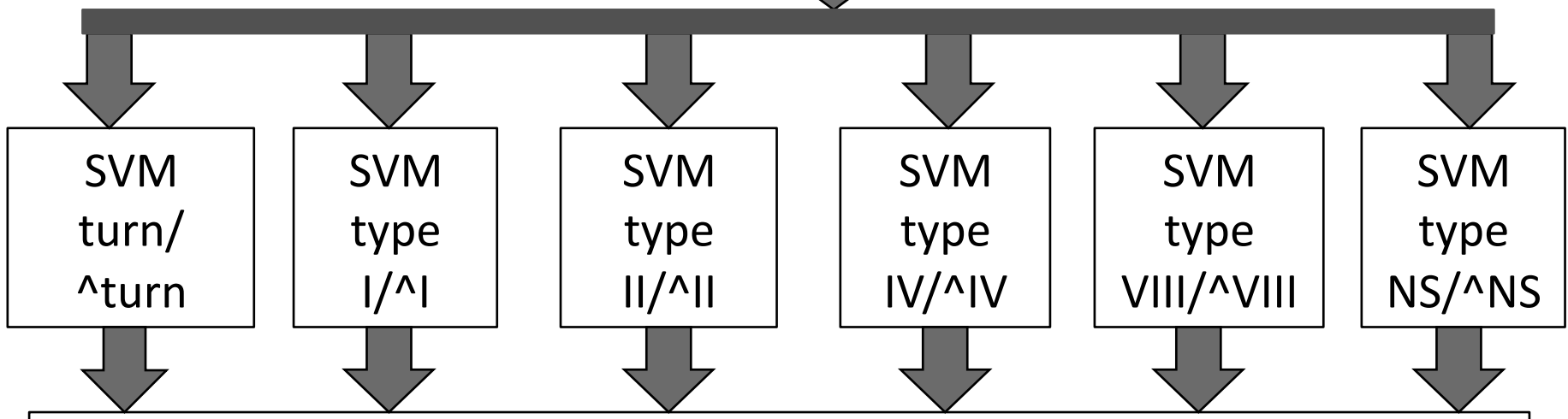
Linear Scaling

Transform the 9x20 matrix into a 180 dimension vector

Transform into (180+15+35) dimension vector

DISSPred

Secondary structure & dihedral prediction



Filtering

turn or non-turn I or non-I II or non-II IV or non-IV VIII or non-VIII NS or non-NS