

Secondary-Structure Elements	Secondary Structure	Number of Residues	Amino Acids Involved	Protein Subdomain
HB	α -helix	15	G82-S96	N
HE	α -helix	15	I139-D153	N
HF	α -helix	15	K169-V183	N
HH	α -helix	15	V192-I206	U50
HI	α -helix	8	H260-A267	U50
HK	α -helix	14	D301-L314	U50
HL	α -helix	18	D319-G336	U50
HM	α -helix	10	D355-M364	U50
HN	α -helix	8	Y368-L375	U50
HO	α -helix	31	K393-L423	U50
HP	α -helix	18	F449-N466	L50
Relay	α -helix	14	M467-E480	L50
HP-Relay	α -helix	32	F449-E480	L50
HQ	α -helix	8	Q493-E500	L50
HR	α -helix	10	V505-K514	L50
HS	α -helix	12	D520-D531	L50
HT	α -helix	8	G563-V570	L50
HU	α -helix	9	E574-I582	U50
HW	α -helix	17	V636-A652	L50
SH1	α -helix	10	V687-G696	\times
SH2	α -helix	10	E675-L684	N
HX	α -helix	7	Q705-D711	C
HY	α -helix	12	R724-L735	C
HZ	α -helix	39	G754-R792	C/IQ
β_1	β -strand	4	Y100-C103	N
β_2	β -strand	5	V106-I110	N
β_3	β -strand	8	I655-S662	N
β_4	β -strand	6	Q157-S162	N
β_5	β -strand	8	S431-I438	U50
β_6	β -strand	8	G221-F228	U50
β_7	β -strand	10	I234-L243	U50
β_{sh}	β -sheet	49	β_1 - β_7	\times

TABLE S2: The myosin V secondary-structure elements. For each element the name, the type of secondary structure, the number of residues, the amino acids involved, and the subdomain to which it belongs are specified.