

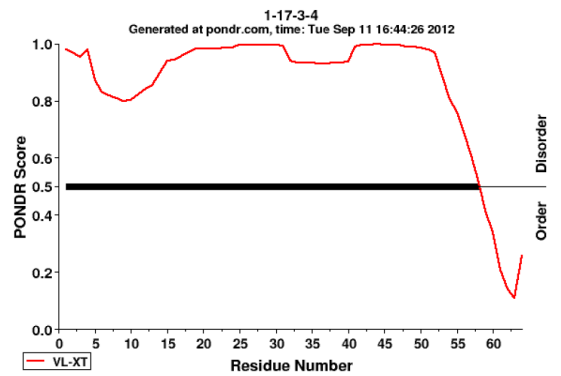
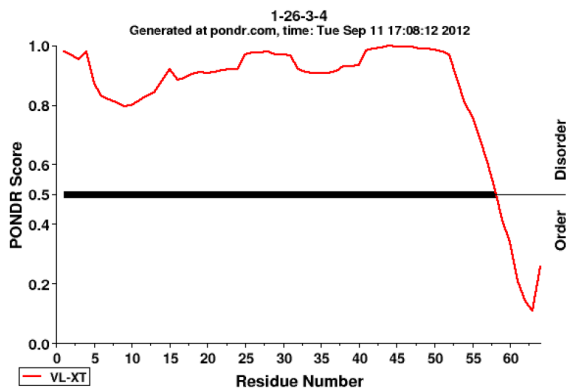
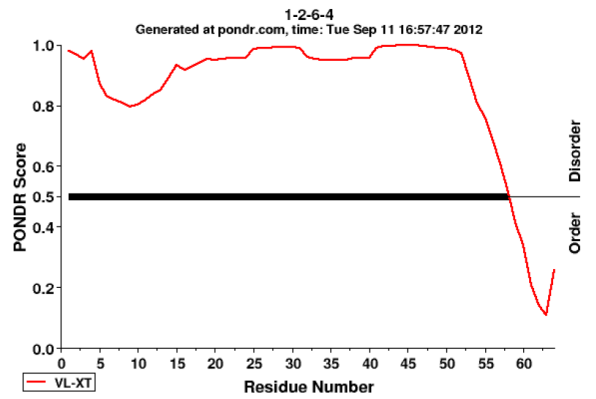
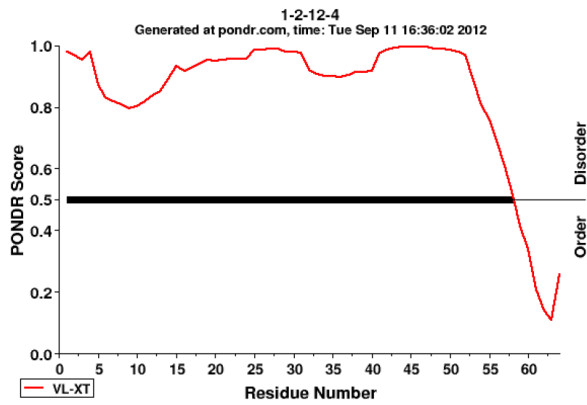
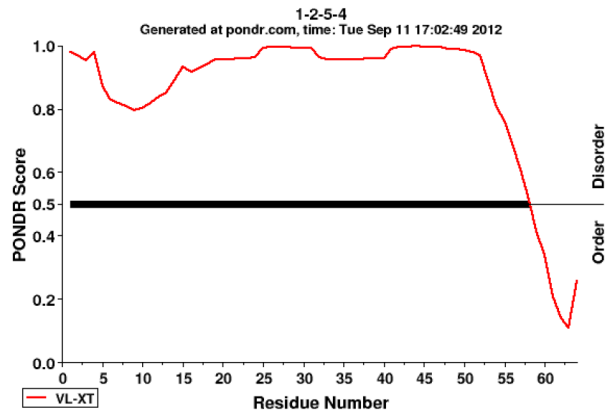
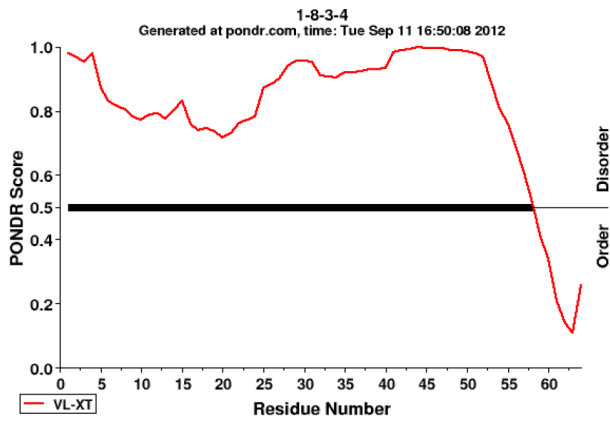
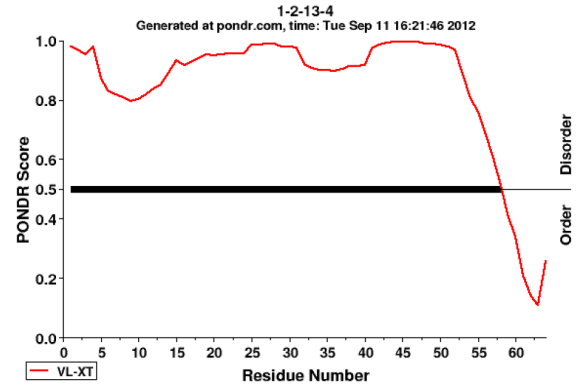
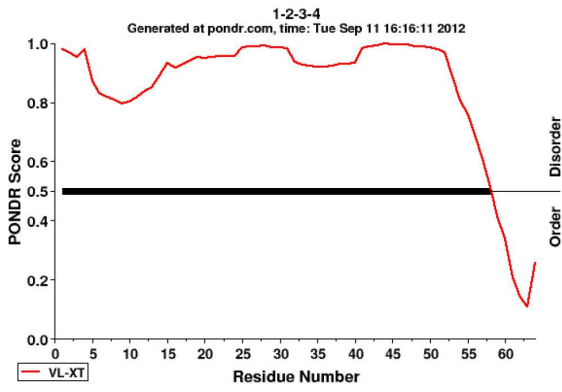
# Alignment of 4R amino acid sequence variants

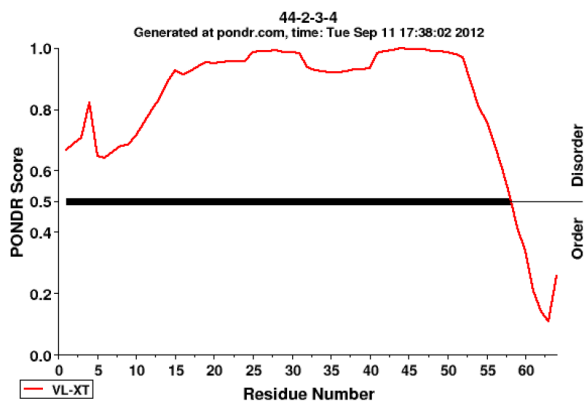
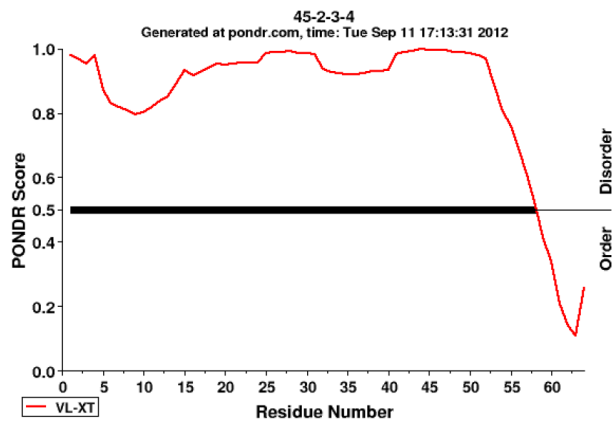
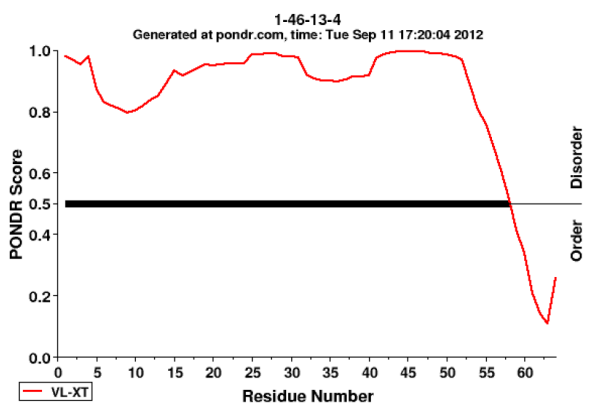
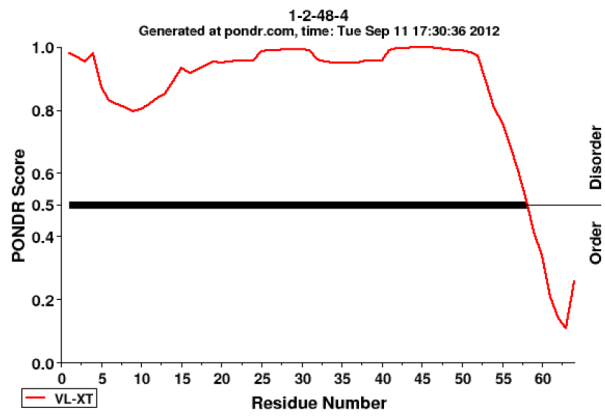
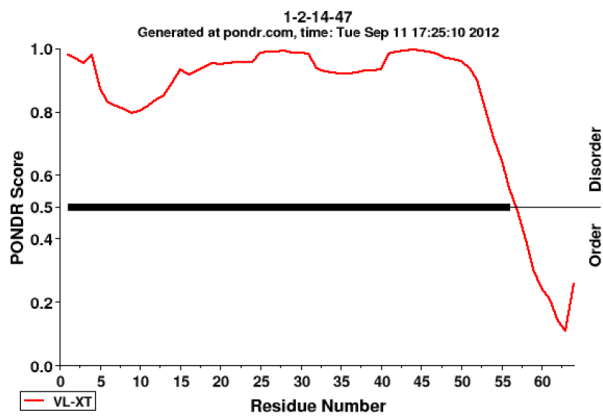
	16	32	48	64
1-2-3-4	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPSLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
1-2-13-4	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPGLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
1-2-14-4	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPSLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
1-8-3-4	PAPRLPQDPCG	PDCAPPAPCLPRG	PCGPDCAAPSLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
1-2-5-4	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPPAPGLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
1-2-12-4	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPGLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
1-2-6-4	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPGLP	PDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
1-26-3-4	PAPRLPQDPCG	PDCAPPAPGLPRV	PCGPDCAAPSLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
1-17-3-4	PAPRLPQDPCG	PDCAPPAPGLPPD	PCGSNCAPAPSLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
<b>1-2-14-47</b>	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPSLP	QDPCGPDCAAPPAPGLPQDPCGSNCAP : 64
<b>1-2-48-4</b>	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPGLP	PDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
<b>1-46-13-4</b>	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPGLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
<b>45-2-3-4</b>	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPSLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64
<b>44-2-3-4</b>	PAPCLPQDPCG	PDCAPPAPGLPRG	PCGPDCAAPSLP	QDPCGPDCAAPPAPGLPPDPCGSNCAP : 64

# Alignment of 7R amino acid sequence variants

	16	32	48	64	80		
1-2-6-5-2-5-4 :	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
1-2-6-5-2-5-19 :	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
1-8-25-5-2-5-4 :	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
1-2-3-17-2-5-4 :	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
1-2-6-1-2-3-4 :	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
1-2-6-5-2-3-4 :	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
<b>1-2-5-5-2-5-4 :</b>	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
1-2-6-5-37-5-4 :	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
<b>1-2-6-5-39-3-4 :</b>	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
<b>40-2-6-5-2-5-4 :</b>	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
<b>1-41-6-5-2-5-4 :</b>	PAPRLPQDPCG	PDCAPPAPGLPRG	PCGPDPCAPPAPGLP	QDPCGPD	CAPPAPGLPRG	PCGPD	CAPPAPGLPQDP : 89
	96	112					
1-2-6-5-2-5-4 :	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
1-2-6-5-2-5-19 :	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
1-8-25-5-2-5-4 :	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
1-2-3-17-2-5-4 :	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
1-2-6-1-2-3-4 :	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
1-2-6-5-2-3-4 :	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
<b>1-2-5-5-2-5-4 :</b>	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
1-2-6-5-37-5-4 :	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
<b>1-2-6-5-39-3-4 :</b>	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
<b>40-2-6-5-2-5-4 :</b>	CGPDCAPPAPGLPPD	PCGSNCAP					: 112
<b>1-41-6-5-2-5-4 :</b>	CGPDCAPPAPGLPPD	PCGSNCAP					: 112

# Intrinsic protein disorder prediction for 4R haplotypes





# Intrinsic protein disorder prediction for 7R haplotypes

