

RyR2			vATPase			
			ATP6v1a1	ATP6v1a1		ATP6v0a1
HIS681	GLY1474	GLU1781	GLN603	ILE8	ALA42	PRO248
HIS731	LYS1475	PHE1782	ASN610	LEU11	GLU45	GLU249
ALA738	VAL1476	ASP1785	ALA611	LEU12	LYS56	THR250
ARG739	SER1479	GLU1837	ARG613	GLU15	ALA57	PRO251
THR740	ILE1480	THR1730	SER614	LYS16	LYS58	
HIS747	LYS1481	GLU1731		ALA18	ALA60	
ARG750	PRO1535	LYS1734		ALA19	ALA61	
LEU1469	SER1765	SER1735		VAL22	GLY64	
LYS1473				SER23	SER65	
				GLU39	SER68	

Table 1: Amino acids predicted to contribute to the interaction between RyR2 and vATPase. The vATPase subunit to which each amino acid corresponds to is also indicated