

		A G		
Rac	EfRac1	1:MAQPGWQSIKCVVTGDGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPIELGLWDTAGQEDYDRLRPLSYPT:	80	
	FG08857.1	1:MAQPGWQSIKCVVTGDGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPIELGLWDTAGQEDYDRLRPLSYPT:	80	
Cdc42	HsRac1	1:.....MQAIKCVVVG DGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAGQEDYDRLRPLSYPT:	75	
	HsRac2	1:.....MQAIKCVVVG DGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGKPVNLGLWDTAGQEDYDRLRPLSYPT:	75	
Cdc42	FG05447.1	1:..MAVVAITIKCVVVG DGAVGKTCLLISYTTNKFPSSEYVPTVFDNYAVTVMIGDEPYTLGLFDTAGQEDYDRLRPLSYPT:	78	
	HsCdc42	1:.....MQTIKCVVVG DGAVGKTCLLISYTTNKFPSSEYVPTVFDNYAVTVMIGDEPYTLGLFDTAGQEDYDRLRPLSYPT:	75	
	ScCdc42	1:.....MQTIKCVVVG DGAVGKTCLLISYTTNKFPSSEYVPTVFDNYAVTVMIGDEPYTLGLFDTAGQEDYDRLRPLSYPT:	75	
		G1 (P-loop)	G2 (switch I)	G3 (switch II)
Rac	EfRac1	81:DVFLICFSLVSPPSFENVKAKWPEIDHHPNIPIILVGTQLDLRDEATLDSLROKRMPEVSYEQALACAKEIKAVKYL:	160	
	FG08857.1	81:DVFLICFSLVSPPSFENVKAKWPEIDHHPNIPIILVGTQLDLRDEASTLDSLROKRMPEVSYEQALACAKEIKAVKYL:	160	
Cdc42	HsRac1	76:DVFLICFSLVSPASFENVRKAWPEVRHHCPNTPIILVGTQLDLRDDDTIEKLKPKKLPITYPQGLAMAKETGAVKYL:	155	
	HsRac2	76:DVFLICFSLVSPASFENVRKAWPEVRHHCPSTPIILVGTQLDLRDDDTIEKLKPKKLPITYPQGLALAKETDSVKYL:	155	
Cdc42	FG05447.1	79:DVFLICFSLVSPASFENVRKAWPEVRHHCPGVPCLLVGTQLDLRDDPSVREKLSKQKQOPVREEDGERLAKDTGAVKY:	158	
	HsCdc42	76:DVFLICFSLVSPSSFENVKAKWPEIDHHPNIPPIILVGTQLDLRDDPSVREKLSKQKQKPIPTPETAEKLARDIKAVKY:	155	
	ScCdc42	76:DVFLICFSLVSPSSFENVKAKWPEIDHHPNIPPIILVGTQLDLRDDPSVREKLSKQKQKPIPTPETAEKLARDIKAVKY:	155	
		G4		
Rac	EfRac1	161:EC SALTQRNLKSVFDEAIRAVLNPRPQPS.KKKSKCSIL:	199	
	FG08857.1	161:EC SALTQRNLKSVFDEAIRAVLNPRPTPS.KKKSKCSIL:	199	
Cdc42	HsRac1	156:EC SALTQRGLKTVFDEAIRAVLCPPTPK...KRRKCLL:	192	
	HsRac2	156:EC SALTQRGLKTVFDEAIRAVLCPPTPK...QKRACSIL:	192	
Cdc42	FG05447.1	159:EC SALTQYKLDVDFDEAIRALEPPAPKKK...SKCLVL:	195	
	HsCdc42	156:EC SALTQRGLKTVFDEAIRALEPPETOP...KRRKCLF:	191	
	ScCdc42	156:EC SALTQRGLKTVFDEAIRALEPPVTKK...SKCAL:	191	
		G5		

Supplemental Figure 2. Comparison of Amino Acid Sequences of Human, Fungal and Yeast Rac and Cdc42 Proteins.