

RNAP II			RNAP I			RNAP III		
Rpb1	S	7, 8, 449, 466, 473, 476, 513, 599, 751, 793, 1136, 1247, 1293, 1449, 1493, 1521, 1532	Rpa190	S	147, 174, 287, 291, 297, 354, 664, 685, 889, 1358, 1359, 1360, 1362, 1374, 1383, 1413, 1415, 1417, 1431, 1636	Rpc160	T	9
	T	191, 1266, 1394, 1471		T	150, 447, 1353, 1651			
	Y	1473		Y	149			
Rpb2	S	2, 7, 156, 187, 218, 493, 645, 764, 869, 919, 982, 1045, 1145, 1221	Rpa135	S	81, 86, 88, 115, 507, 712, 737, 1054, 1085, 1116, 1122, 1124, 1145, 1156	Rpc128	T	40
	T	500, 915, 916, 970, 971		T	746			
	Y	890						
Rpb3	S	2	Rpc40	S	2, 17, 24, 46, 220, 226, 243			
	T	250		T	15, 16			
Rpb11		-	Rpc19	S	62, 141			
				T	2, 15, 33			
Rpb9	S	33, 40	Rpa12	S	40, 58, 59, 70	Rpc11	-	
	Y	34						
Rpb4	S	53, 125, 197, 203, 215	Rpa14	S	113, 121	Rpc17	S	84
	T	134, 144, 193		T	120, 133			
Rpb7		-	Rpa43	S	2, 208, 220, 244, 251, 262, 263, 265, 269, 285, 306	Rpc25	S	162
				T	25, 100			
				Y	260			
			Rpa34	S	10, 12, 14, 60, 113, 115, 118, 140, 205	Rpc37	S	2, 52, 206
				Y	8		T	18, 61, 192
			Rpa49	S	8, 34, 70, 117, 151, 157, 169	Rpc53	S	12, 18, 27, 119, 122, 137, 138, 178, 181, 182, 224, 234, 246, 270
				T	36, 155		T	130, 228, 232, 347
						Rpc82	S	230, 306, 323, 344, 392, 394, 399, 421
							T	27, 430
						Rpc34	-	
						Rpc31	S	13, 189
							T	101, 190
	Common RNAPs subunits	Rpb5			S	158		
Rpb6				S	2, 24, 102			
				T	28, 41, 50, 82			
				Y	29, 88			
Rpb8				S	73, 74, 78			
				T	68			
Rpb10				S	20			
Rpb12			S	2, 20, 41				
			T	19, 26				

Table S1. Phospho-sites in *Saccharomyces cerevisiae* RNAPs. Rpb1-CTD phosphorylation sites are not included. Rpb5, 6, 8, 10 and 12 (in yellow boxes) are subunits shared by all three RNAPs. Rpc40 and 19 (in orange boxes) are common to RNAPI and III. S, serine; T, threonine; and Y, tyrosine. Numbers denote the corresponding amino acid of each subunit.