TABLES.CHR2_TM.TXT

NOTE: Set the terminal to 80 characters/line before editing (VMS eve)
to be able to read properly !!!

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The content of this file is part of the data unraveled by a consortium of European laboratories supported by the Commission of the European Union in the framework of sequencing yeast chromosome II.

H. Feldmann et al. (1994) ' Complete sequence of yeast chromosome II', submitted

The dataset was developed in collaboration of
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Table 5. Yeast chromosome II: List of putative transmembrane proteins

Systematic nomencl.	# TM	Positions in ORF from	to	P:I odds	MIPS working nomencl.	+)
YBL106c	5	608	626	5.11e-02	YBL0806	
		789	806	1.02e-01		
		107	123	2.21e+00		
		363	379	1.34e+01		
		763	779	1.42e+01		
YBL105c	2	281	298	8.06e-01	YBL0807	
		1004	1020	4.90e+00		
YBL104c	1	887	903	7.25e-01	YBL0808	
YBL102w	4	79	107	4.79e-04	YBL0812	
		111	138	2.01e-03		
		168	193	7.98e-03		
		148	166	2.51e-01		

YBL100c 2	77	101	1.77e-02	YBL0826 ov
	57	73	9.46e-01	
YBL098w 2	1	23	3.49e-04	YBL0828
	432	448	1.49e+01	
YBL096w 2	65	83	7.25e-01	YBL0834 ov
	1	17	1.88e+00	
YBL095w 2	15	31	8.69e-02	YBL0835
	153	169	2.59e+00	
YBL094c 2	64	88	1.81e-03	YBL0836 ov
	21	37	2.59e+00	
YBL089w 10	409	444	6.73e-05	YBL0703
	285	311	1.57e-04	
	478	508	5.93e-04	
	80	104	1.54e-03	
	184	205	3.41e-03	
	210	232	4.22e-03	
	136	154	7.17e-03	
	328	353	1.77e-02	
	436	452	9.66e-02	
	58	74	6.88e-01	
YBL088c 10	182	202	1.22e-02	YBL0706
	233	249	1.48e-01	
	1551	1567	3.64e-01	
	126	142	4.74e-01	
	944	960	1.30e+00	
	838	854	1.37e+00	
	1037	1053	2.59e+00	
	1173	1189	3.20e+00	
	1434	1450	1.34e+01	
	103	119	1.34e+01	
YBL082c 10	414	438	8.59e-04	YBL0720
	174	196	9.55e-04	
	42	63	5.50e-03	
	303	322	6.80e-03	
	239	265	1.04e-02	
	221	237	7.02e-02	
	349	368	7.02e-02	
	382	398	4.74e-01	
	144	160	1.05e+00	
	203	219	7.10e+00	
YBL080c 1	77	93	2.03e-01	YBL0724
YBL079w 6	1406	1423	3.34e-02	YBL0725
	231	247	4.59e-02	
	1382	1399	2.79e-01	
	434	450	4.65e+00	
	764	780	5.45e+00	
	1311	1327	7.90e+00	
YBL073w 2	83	102	1.64e-01	YBL0612 ov
	15	31	3.96e+00	

YBL071c 1	80	96	8.06e-01	YBL0615
YBL070c 3	84	106	3.68e-04	YBL0616 ov
	46	62	9.46e-01	
	4	20	9.26e+00	
YBL068w 1	106	122	1.64e-01	YBL0619
YBL066c 3	619	637	1.33e-01	YBL0501
	489	506	3.27e-01	
	682	698	2.33e+00	
YBL065w 2	12	32	7.02e-02	YBL0502 ov
	33	49	5.74e+00	
YBL062w 2	71	99	1.71e-03	YBL0505 ov
	8	28	1.51e-02	
YBL059w 2	123	139	9.97e-01	YBL0508
	73	89	2.10e+00	
YBL053w 1	18	45	1.84e-04	YBL0514 ov
YBL048w 3	87	103	2.07e-02	YBL0519
	35	54	3.01e-02	
	12	29	5.11e-02	
YBL047c 1	560	576	2.94e-01	YBL0520
YBL042c 12	364	393	1.21e-04	YBL0406
	162	181	2.12e-03	
	257	278	4.22e-03	
	482	503	1.10e-02	
	570	590	1.59e-02	
	199	218	4.36e-02	
	537	554	2.38e-01	
	460	478	3.45e-01	
	417	433	3.64e-01	
	289	305	6.19e-01	
	332	348	5.74e+00	
	222	238	1.34e+01	
YBL040c 6	61	82	9.06e-04	YBL0408
	4	20	1.70e+00	
	186	202	3.96e+00	
	99	115	4.41e+00	
	122	138	6.73e+00	
	38	54	1.09e+01	
YBL039c 3	398	414	3.45e-01	YBL0410
	4	20	5.28e-01	
	548	564	1.05e+00	
YBL037w 4	296	314	2.38e-01	YBL0412
	150	166	2.10e+00	
	502	518	4.18e+00	
	557	573	4.18e+00	
YBL035c 1	428	444	5.28e-01	YBL0414

YBL030c	4	186	202	4.74e-01	YBL0421
		217	233	1.17e+00	
		131	147	3.56e+00	
		21	37	4.65e+00	
YBL020w	12	534	555	1.79e-05	YBL0442
		184	202	5.22e-03	
		141	159	5.11e-02	
		445	461	7.41e-02	
		377	393	2.14e-01	
		220	239	2.26e-01	
		512	529	2.79e-01	
		52	69	3.10e-01	
		113	130	3.64e-01	
		470	488	5.00e-01	
		24	40	1.45e+00	
		414	430	5.17e+00	
YBL019w	1	164	185	1.38e-03	YBL0443
YBL017c	4	1389	1417	4.26e-06	YBL0302
		1	19	5.80e-03	
		502	518	1.14e+01	
		928	944	1.42e+01	
YBL012c	2	99	116	2.14e-01	YBL0314 ov
		40	56	1.61e+00	
YBL011w	6	438	465	1.01e-03	YBL0315
		494	514	3.92e-02	
		531	549	1.26e-01	
		123	139	1.05e+00	
		260	276	1.79e+00	
		49	65	7.49e+00	
YBL005w	2	701	720	3.52e-02	YBL0323
		773	789	1.52e+00	
YBL004w	12	1656	1674	6.32e-02	YBL0101
		165	182	1.02e-01	
		1910	1926	2.26e-01	
		1170	1187	6.19e-01	
		1195	1211	1.45e+00	
		2093	2109	1.61e+00	
		2355	2371	3.96e+00	
		656	672	4.65e+00	
		350	366	4.90e+00	
		1021	1037	5.45e+00	
		1606	1622	1.03e+01	
		1763	1779	1.14e+01	
YBR004c	8	347	375	6.25e-04	YBR0110
		247	264	4.59e-02	
		321	340	5.39e-02	
		110	126	7.02e-02	
		414	431	1.56e-01	
		9	25	4.05e-01	
		222	240	5.28e-01	
		151	167	1.05e+00	

YBR005w	1	36	65	4.94e-08	YBR0111
YBR008c	13	410	438	2.40e-04	YBR0120
		511	534	8.59e-04	
		260	283	1.18e-03	
		440	463	1.90e-03	
		376	399	9.35e-03	
		171	192	1.43e-02	
		236	256	4.59e-02	
		352	369	5.68e-02	
		99	115	1.48e-01	
		196	213	2.94e-01	
		333	349	1.52e+00	
		143	159	2.33e+00	
		218	234	9.26e+00	
YBR013c	1	1	18	5.68e-02	YBR0209
YBR014c	1	8	30	3.38e-05	YBR0219
YBR015c	3	7	32	2.59e-05	YBR0220
		173	189	2.14e-01	
		249	265	7.10e+00	
YBR016w	1	106	128	6.12e-03	YBR0222
YBR018c	1	236	252	5.00e-01	YBR0226
YBR020w	3	166	189	7.17e-03	YBR0302
		68	84	1.40e-01	
		281	297	5.28e-01	
YBR021w	10	345	372	7.10e-05	YBR0303
		243	262	1.81e-03	
		146	165	1.36e-02	
		466	485	3.17e-02	
		398	419	4.59e-02	
		184	201	6.32e-02	
		268	289	6.32e-02	
		443	460	1.02e-01	
		521	538	2.14e-01	
		80	96	3.76e+00	
YBR023c	8	1041	1081	1.07e-06	YBR0305
		445	481	8.96e-06	
		200	225	1.61e-05	
		1021	1055	2.88e-05	
		1014	1030	7.25e-01	
		1084	1101	7.65e-01	
		173	189	2.59e+00	
		644	660	8.78e+00	
YBR027c	2	39	58	1.97e-02	YBR0311
		1	17	5.28e-01	
YBR029c	6	159	179	1.38e-03	YBR0313
		210	228	3.80e-03	
		185	209	4.95e-03	
		75	94	1.51e-02	
		253	271	1.64e-01	

	335	351	4.41e+00	
YBR031w 1	120	137	7.02e-02	YBR0315
YBR033w 5	482	504	3.31e-04	YBR0318
	790	806	1.48e-01	
	703	720	1.93e-01	
	408	424	1.30e+00	
	547	563	6.73e+00	
YBR034c 1	61	77	2.38e-01	YBR0320
YBR036c 10	285	309	2.54e-04	YBR0404
	246	265	2.48e-03	
	384	406	2.48e-03	
	194	217	7.98e-03	
	133	156	1.16e-02	
	326	347	2.07e-02	
	53	69	2.38e-01	
	174	190	3.64e-01	
	358	374	3.20e+00	
	5	21	1.49e+01	
YBR037c 1	75	92	2.79e-01	YBR0406
YBR038w 8	874	897	2.82e-04	YBR0407
	902	924	1.18e-03	
	708	732	2.91e-03	
	677	698	1.10e-02	
	744	761	1.83e-01	
	780	796	4.27e-01	
	424	440	1.23e+00	
	644	660	2.10e+00	
YBR040w 5	156	188	3.27e-06	YBR0410
	14	41	1.05e-05	
	241	266	1.01e-03	
	195	212	6.32e-02	
	143	159	9.97e-01	
YBR041w 4	1	27	5.62e-04	YBR0411
	304	322	1.48e-01	
	149	167	2.51e-01	
	55	71	3.38e+00	
YBR042c 4	12	37	3.13e-04	YBR0412
	55	77	5.22e-03	
	372	390	8.69e-02	
	134	150	2.38e-01	
YBR043c 11	648	670	2.28e-04	YBR0413
	265	287	2.67e-04	
	140	161	7.56e-03	
	555	579	8.41e-03	
	476	493	2.03e-01	
	177	193	2.14e-01	
	239	256	3.45e-01	
	108	124	8.06e-01	
	587	603	1.23e+00	
	629	645	2.88e+00	

	513	529	1.14e+01	
YBR044c 1	472	488	5.00e-01	YBR0414
YBR046c 2	152	169	7.02e-02	YBR0421
	123	139	3.38e+00	
YBR051w 3	65	91	2.48e-03	YBR0504a ov
	1	21	6.45e-03	
	34	50	2.94e-01	
YBR054w 6	33	57	1.27e-04	YBR0507
	235	265	2.97e-04	
	199	226	1.06e-03	
	169	195	1.77e-02	
	146	162	5.11e-02	
	118	134	4.18e+00	
YBR056w 2	91	107	8.50e-01	YBR0510
	60	76	1.45e+00	
YBR063c 1	93	113	1.10e-02	YBR0610
YBR064w 3	98	127	2.38e-06	YBR0612 ov
	13	30	5.68e-02	
	48	64	9.26e+00	
YBR067c 2	1	24	1.59e-02	YBR0622
	193	210	3.52e-02	
YBR068c 12	426	450	3.56e-05	YBR0629
	234	262	6.05e-05	
	206	231	3.68e-04	
	327	349	1.46e-03	
	375	399	1.46e-03	
	503	528	3.41e-03	
	127	144	1.07e-01	
	100	116	1.64e-01	
	452	468	4.05e-01	
	293	309	9.97e-01	
	178	194	3.04e+00	
	541	557	1.27e+01	
YBR069c 12	202	230	1.73e-06	YBR0710
	232	261	1.61e-05	
	493	522	4.89e-05	
	420	443	7.10e-05	
	320	343	1.27e-04	
	369	393	3.60e-03	
	126	146	1.22e-02	
	98	115	1.64e-01	
	172	188	3.27e-01	
	286	302	4.74e-01	
	447	463	7.65e-01	
	530	546	1.61e+00	
YBR070c 3	3	28	3.13e-04	YBR0711
	165	185	4.36e-02	
	130	146	9.76e+00	

YBR073w 3	382	398	1.40e-01	YBR0715
	348	364	4.65e+00	
	511	527	4.90e+00	
YBR074w 3	358	382	9.76e-05	YBR0718
	16	37	1.62e-03	
	344	360	6.39e+00	
YBR075w 3	111	136	2.62e-03	YBR0719
	150	175	6.45e-03	
	175	191	8.69e-02	
YBR077c 1	127	144	8.24e-02	YBR0723
YBR084w 6	303	320	1.56e-01	YBR0751
	231	247	4.05e-01	
	673	689	1.37e+00	
	729	745	1.37e+00	
	592	608	2.46e+00	
	198	214	1.34e+01	
YBR085w 4	206	222	9.46e-01	YBR0753
	175	191	1.11e+00	
	124	140	2.73e+00	
	10	26	1.09e+01	
YBR086c 8	207	243	2.40e-04	YBR0809
	302	324	4.79e-04	
	506	532	1.90e-03	
	563	588	4.00e-03	
	450	477	5.80e-03	
	248	274	1.10e-02	
	158	174	1.99e+00	
	131	147	7.10e+00	
YBR087w 3	284	300	6.52e-01	YBR0810
	165	181	1.79e+00	
	338	354	1.09e+01	
YBR089w 2	20	44	1.36e-02	YBR0811a ov
	97	113	1.79e+00	
YBR090c 1	9	25	3.92e-02	YBR0811a
YBR092c 1	4	22	4.05e-01	YBR0813
YBR097w 8	637	653	2.26e-01	YBR0825
	527	543	3.45e-01	
	1200	1216	5.87e-01	
	1232	1248	1.37e+00	
	5	21	1.37e+00	
	479	495	3.76e+00	
	421	437	4.65e+00	
	221	237	7.90e+00	
YBR099c 3	83	103	1.04e-02	YBR0828 ov
	18	34	1.03e+01	
	44	60	1.03e+01	
YBR102c 1	364	380	5.56e-01	YBR0831

YBR103w 1	434	450	4.27e-01	YBR0832
YBR104w 4	90	108	1.73e-01	YBR0833
	242	258	1.61e+00	
	147	163	7.10e+00	
	34	50	7.49e+00	
YBR110w 4	5	31	4.79e-04	YBR0906
	104	123	1.26e-01	
	143	159	2.03e-01	
	180	196	3.96e+00	
YBR113w 3	32	64	3.10e-06	BR0908e ov
	113	142	2.28e-04	
	67	89	9.55e-04	
YBR115w 3	307	324	8.24e-02	YBR0910
	971	987	1.17e+00	
	55	71	1.34e+01	
YBR116w 2	138	158	6.80e-03	YBR0911 ov
	120	136	1.27e+01	
YBR118w 2	136	153	5.00e-01	YBR0913
	111	127	5.28e-01	
YBR124w 3	77	104	2.12e-03	YBR0920b ov
	3	21	8.24e-02	
	61	77	6.39e+00	
YBR131w 3	77	93	2.26e-01	YBR1006
	444	460	3.20e+00	
	44	60	5.74e+00	
YBR132w 12	117	147	8.32e-05	YBR1007
	199	223	8.59e-04	
	92	114	1.25e-03	
	326	349	2.62e-03	
	228	252	2.91e-03	
	458	482	5.80e-03	
	427	450	1.68e-02	
	503	524	5.99e-02	
	534	552	6.32e-02	
	380	396	2.26e-01	
	286	302	5.74e+00	
	176	192	9.76e+00	
YBR133c 3	166	183	1.48e-01	YBR1008
	398	414	1.99e+00	
	228	244	4.41e+00	
YBR136w 9	771	787	1.93e-01	YBR1012
	74	90	3.64e-01	
	218	234	5.87e-01	
	1152	1169	8.06e-01	
	922	938	2.21e+00	
	1288	1304	6.73e+00	
	1918	1934	8.33e+00	
	2126	2142	1.09e+01	

	1315	1331	1.14e+01	
YBR139w 1	6	22	2.79e-01	YBR1015
YBR140c 21	2326	2344	1.36e-02	YBR1016
	1850	1868	3.01e-02	
	1183	1204	6.32e-02	
	1425	1442	8.24e-02	
	571	587	2.38e-01	
	2577	2593	5.56e-01	
	2855	2871	6.88e-01	
	1125	1141	8.97e-01	
	801	817	1.79e+00	
	2974	2990	2.59e+00	
	93	109	3.20e+00	
	664	680	4.18e+00	
	2751	2767	5.17e+00	
	291	307	5.74e+00	
	2901	2917	6.73e+00	
	1696	1712	7.90e+00	
	1449	1465	8.78e+00	
	238	254	8.78e+00	
	3009	3025	1.03e+01	
	2950	2966	1.21e+01	
	2557	2573	1.49e+01	
YBR144c 1	88	104	4.50e-01	YBR1121
YBR147w 7	163	187	3.07e-03	YBR1124
	70	92	3.60e-03	
	42	66	5.50e-03	
	238	261	2.43e-02	
	13	34	3.01e-02	
	263	279	1.23e+00	
	204	220	5.45e+00	
YBR150c 4	402	418	2.79e-01	YBR1133
	755	771	1.52e+00	
	482	498	1.79e+00	
	458	474	9.26e+00	
YBR159w 4	32	55	3.72e-02	YBR1209
	16	33	1.40e-01	
	204	220	1.52e+00	
	169	185	2.88e+00	
YBR161w 2	272	294	1.18e-03	YBR1212
	3	26	1.71e-03	
YBR162c 1	5	23	2.07e-02	YBR1213
YBR165w 1	11	37	2.05e-04	YBR1217*
YBR168w 4	177	195	8.41e-03	YBR1220
	104	128	1.04e-02	
	67	84	7.02e-02	
	36	52	6.06e+00	
YBR171w	xxx	xxx	3.38e+00	YBR1232

	26-	52	2.16e-04	
YBR178w 1	42	61	1.73e-01	YBR1240 ov
YBR179c 2	737	755	1.36e-02	YBR1241
	707	723	5.45e+00	
YBR180w 12	176	214	2.05e-04	YBR1242
	107	129	4.79e-04	
	541	564	1.81e-03	
	268	292	2.91e-03	
	444	466	4.22e-03	
	465	487	1.51e-02	
	150	170	7.41e-02	
	247	263	3.45e-01	
	401	417	3.64e-01	
	202	218	4.50e-01	
	523	539	5.00e-01	
	363	379	1.05e+00	
YBR181c 1	96	117	4.36e-02	YBR1244
YBR182c 1	32	51	2.79e-01	YBR1245
YBR183w 6	135	157	3.49e-04	YBR1305
	163	181	8.87e-03	
	197	214	7.81e-02	
	69	86	3.84e-01	
	246	262	1.21e+01	
	222	238	1.34e+01	
YBR186w 3	508	524	1.02e-01	YBR1308
	476	492	3.84e-01	
	390	406	1.45e+00	
YBR187w 6	251	278	1.62e-03	YBR1310
	71	93	3.24e-03	
	224	244	1.86e-02	
	7	26	2.56e-02	
	184	203	5.11e-02	
	104	122	1.83e-01	
YBR198c 2	174	191	1.40e-01	YBR1411
	644	660	9.97e-01	
YBR199w 1	6	34	9.96e-06	YBR1412
YBR200w 1	206	222	6.88e-01	YBR1413
YBR201w 2	19	44	2.54e-04	YBR1414
	78	94	1.42e+01	
YBR204c 2	133	151	1.10e-02	YBR1444
	171	187	1.23e+00	
YBR205w 1	22	45	1.62e-03	YBR1445
YBR206w 1	19	35	2.03e-01	YBR1447 ov
YBR207w 5	170	194	1.34e-04	YBR1448

	285	311	1.57e-04	
	130	160	5.62e-04	
	260	284	1.04e-02	
	9	39	1.29e-02	
YBR208c 6	1582	1598	3.84e-01	YBR1449
	1778	1794	2.59e+00	
	209	225	2.59e+00	
	1141	1157	2.73e+00	
	163	179	5.45e+00	
	411	427	1.42e+01	
YBR209w 1	29	50	4.45e-03	YBR1451
YBR210w 3	59	76	4.36e-02	YBR1457
	107	127	1.26e-01	
	5	22	1.64e-01	
YBR216c 2	609	626	2.38e-01	YBR1505
	504	520	1.23e+00	
YBR217w 1	121	137	3.45e-01	YBR1506
YBR219c 3	63	86	2.56e-02	YBR1509 ov
	101	117	6.39e+00	
	17	33	6.73e+00	
YBR220c 10	218	238	1.16e-02	YBR1510
	521	544	2.56e-02	
	18	37	3.34e-02	
	330	347	2.26e-01	
	88	106	5.28e-01	
	177	193	8.06e-01	
	139	155	1.52e+00	
	421	437	2.73e+00	
	391	407	6.06e+00	
	475	491	6.73e+00	
YBR222c 3	234	251	8.24e-02	YBR1512
	127	143	2.46e+00	
	65	81	7.90e+00	
YBR224w 5	144	165	4.79e-04	YBR1521 ov
	67	91	2.48e-03	
	11	33	2.43e-02	
	126	142	1.09e+01	
	38	54	1.49e+01	
YBR227c 3	266	285	1.48e-01	YBR1524
	350	366	6.19e-01	
	147	164	8.50e-01	
YBR229c 3	1	18	3.17e-02	YBR1526
	356	372	5.17e+00	
	624	640	1.21e+01	
YBR230c 2	74	92	1.10e-02	YBR1527
	111	127	1.17e+00	
YBR232c 3	84	106	4.79e-04	YBR1530 ov

	1	19	2.38e-01	
	66	82	2.88e+00	
YBR235w 14	466	508	8.06e-06	YBR1601
	77	106	6.59e-04	
	426	455	9.55e-04	
	220	244	1.01e-03	
	318	342	2.01e-03	
	196	219	2.12e-03	
	466	486	6.45e-03	
	67	86	1.68e-02	
	368	391	3.52e-02	
	761	777	4.05e-01	
	406	422	7.65e-01	
	287	303	9.46e-01	
	142	158	4.41e+00	
	808	824	8.78e+00	
YBR241c 10	331	354	1.18e-03	YBR1625
	366	415	2.12e-03	
	446	470	7.56e-03	
	205	222	1.86e-02	
	146	163	2.43e-02	
	366	386	2.70e-02	
	18	36	9.66e-02	
	117	135	1.26e-01	
	299	316	8.50e-01	
	429	445	1.52e+00	
YBR243c 13	70	95	2.12e-03	YBR1628
	257	276	4.00e-03	
	156	175	8.41e-03	
	218	248	8.87e-03	
	421	440	3.52e-02	
	287	307	8.24e-02	
	129	146	1.26e-01	
	22	39	4.74e-01	
	309	325	6.52e-01	
	1	17	6.88e-01	
	364	380	4.18e+00	
	206	222	6.06e+00	
	388	404	1.21e+01	
YBR245c 1	305	321	5.28e-01	YBR1633
YBR248c 2	78	94	3.84e-01	YBR1640
	323	339	1.21e+01	
YBR255w 2	655	678	4.31e-04	YBR1723
	677	694	1.13e-01	
YBR263w 1	1	20	4.00e-03	YBR1732
YBR265w 3	285	304	4.13e-02	YBR1734
	162	178	1.14e+01	
	257	273	1.34e+01	
YBR266c 3	72	91	7.02e-02	YBR1735 ov
	109	128	1.02e-01	
	24	40	9.76e+00	

YBR270c	1	321	337	5.00e-01	YBR1738
YBR271w	2	61	77	3.84e-01	YBR1739
		257	273	6.06e+00	
YBR272w	2	127	143	5.00e-01	YBR1740
		191	207	4.18e+00	
YBR275c	6	438	454	1.86e-02	YBR1743
		263	279	2.26e-01	
		296	312	7.65e-01	
		905	921	1.99e+00	
		788	804	3.38e+00	
		663	679	3.96e+00	
YBR276c	5	228	247	2.94e-01	YBR2013
		721	737	6.88e-01	
		450	466	1.11e+00	
		485	501	3.96e+00	
		606	622	6.06e+00	
YBR277c	3	1	21	9.16e-02	YBR2014 ov
		114	130	3.27e-01	
		87	103	1.34e+01	
YBR280c	2	507	523	6.52e-01	YBR2017
		623	639	4.65e+00	
YBR283c	12	243	270	6.73e-05	YBR2020
		292	319	3.68e-04	
		119	141	3.80e-03	
		450	470	5.80e-03	
		421	442	1.16e-02	
		33	54	3.52e-02	
		365	382	1.93e-01	
		147	163	2.65e-01	
		179	195	6.88e-01	
		84	100	2.21e+00	
		283	299	9.76e+00	
		6	22	1.09e+01	
YBR284w	2	627	643	3.84e-01	YBR2021
		501	517	6.73e+00	
YBR287w	8	7	34	2.35e-03	YBR2034
		396	424	2.48e-03	
		331	354	6.12e-03	
		71	92	6.45e-03	
		290	309	1.36e-02	
		362	381	2.70e-02	
		256	274	2.85e-02	
		43	60	1.83e-01	
YBR290w	2	279	302	5.62e-04	YBR2037
		183	200	1.33e-01	
YBR291c	4	111	128	2.14e-01	YBR2039
		280	297	3.27e-01	
		213	229	8.97e-01	

	66	82	1.34e+01	
YBR292c 2	79	99	1.51e-02	YBR2040
	20	37	1.13e-01	
YBR293w 13	194	221	6.45e-08	YBR2109
	299	324	9.35e-03	
	446	465	1.04e-02	
	232	260	1.43e-02	
	122	139	4.36e-02	
	166	189	5.68e-02	
	381	397	1.33e-01	
	98	114	4.05e-01	
	34	51	4.74e-01	
	63	79	1.61e+00	
	331	347	1.99e+00	
	256	272	8.33e+00	
	278	294	1.03e+01	
YBR294w 12	202	235	2.01e-03	YBR2110
	471	490	1.36e-02	
	518	539	2.07e-02	
	228	244	1.40e-01	
	286	304	1.93e-01	
	394	412	3.84e-01	
	120	136	7.65e-01	
	339	355	7.65e-01	
	173	189	1.11e+00	
	491	507	5.45e+00	
	541	557	1.03e+01	
	153	169	1.27e+01	
YBR295w 10	841	881	8.77e-05	YBR2112
	1192	1216	1.57e-04	
	809	836	1.66e-04	
	558	584	4.22e-03	
	625	645	1.77e-02	
	588	612	2.19e-02	
	1172	1189	8.69e-02	
	663	679	5.28e-01	
	1006	1022	4.65e+00	
	760	776	9.26e+00	
YBR296c 10	180	207	1.21e-04	YBR2113
	142	172	2.82e-04	
	219	243	1.18e-03	
	541	565	1.36e-02	
	446	466	2.07e-02	
	8	26	2.31e-02	
	45	66	3.34e-02	
	490	506	8.06e-01	
	86	102	9.97e-01	
	508	524	4.90e+00	
YBR298c 9	177	207	9.45e-06	YBR2116
	457	482	4.69e-03	
	426	449	1.43e-02	
	399	415	3.45e-01	
	528	544	4.05e-01	
	365	381	5.87e-01	

		275	291	6.52e-01	
		500	516	7.25e-01	
		151	167	1.88e+00	
YBR300c	1	1	28	4.22e-03	YBR2120 ov
YBR302c	4	65	96	1.56e-06	YBR2121
		233	253	4.22e-03	
		254	273	1.59e-02	
		46	62	5.17e+00	

+) ORFs indicated by ’ov’ (overlapping) have been listed although they may not correspond to real gene products.

Table 5 was developed and contributed by A. Goffeau and P. Mordant.

Notes:
The prediction of xxx transmembrane spanning proteins among the 410 ORFs from yeast chromosome II relies on the ALOM program based on thealgorithm of Klein et al. (1985), which was found to be among the most efficient and reliable from prediction of transmembrane analysis (Wach et al. , 1992; Fasman and Gilbert, 1990). This method uses the Kyte and Doolittle hydrophobic index for each amino acid (Kyte and Doolittle, 1982). An average hydrophobicity value (H17) is calculated for all possible segments of 17 amino acids length. The region with H17 above 1.582 are considered as ’integral’ (I) while the other hydrophobic regions are considered as ’peripheral’ (P). To obtain outer boundaries of the integral region, the segment of 17 amino acids is extended on both sides if the average hydrophobicity remains above 1.582. The Table presents the P:I odds obtained as the decimal exponential oh -9.02*H17+14.27. We consider that the values below 1 correspond to integral spans. Provided that at least one hydrophobic region have a P:I odds below 1, the values between 1 and 15 correspond to ’possibly integral’ spans whereas values between 15n and 80 do probably not correspond to integral spans (Goffeau et al., 1993); values >80 are not represented in the above table.

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