Next-generation systematics: An innovative approach to resolve the structure of complex prokaryotic taxa

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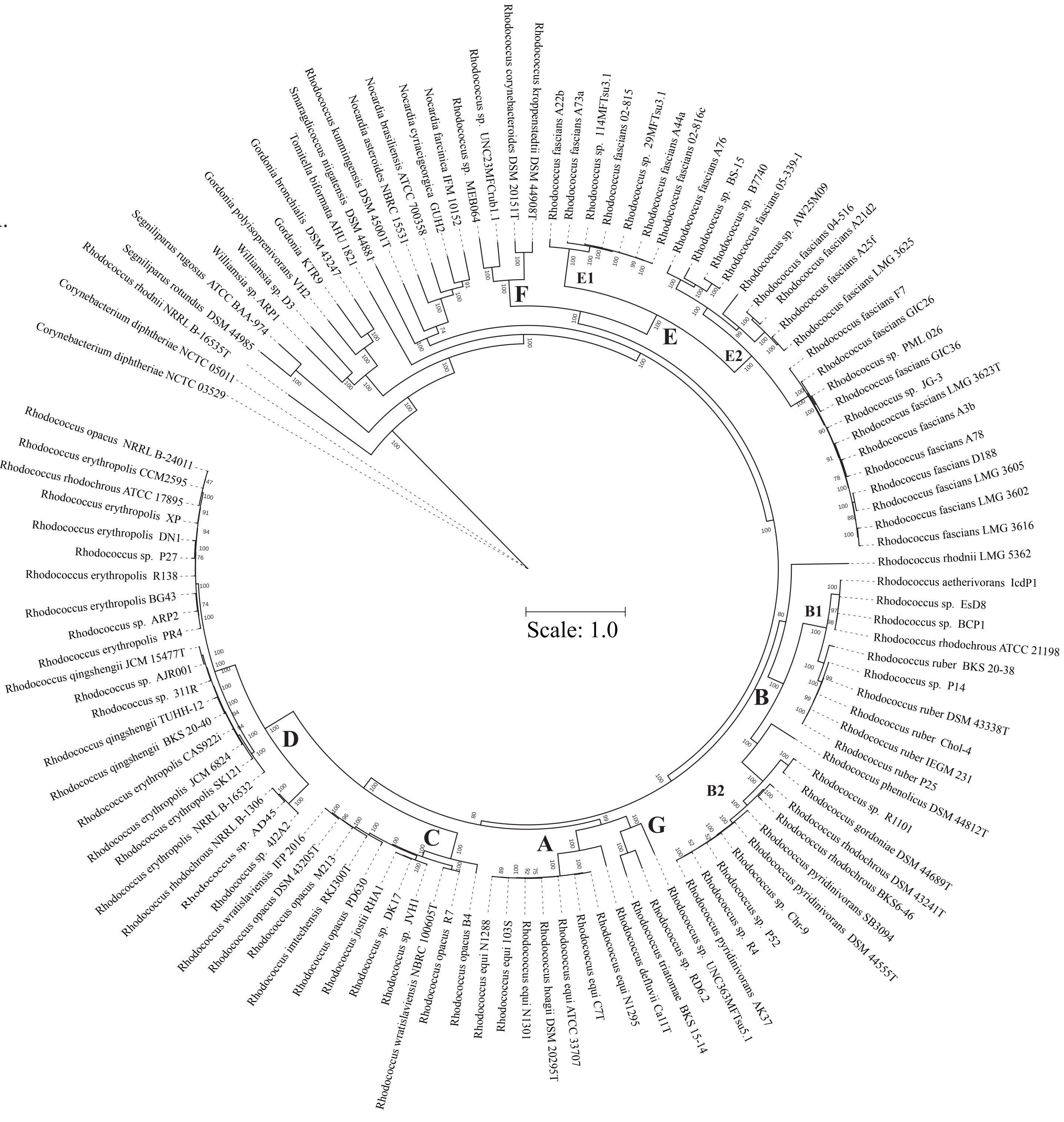
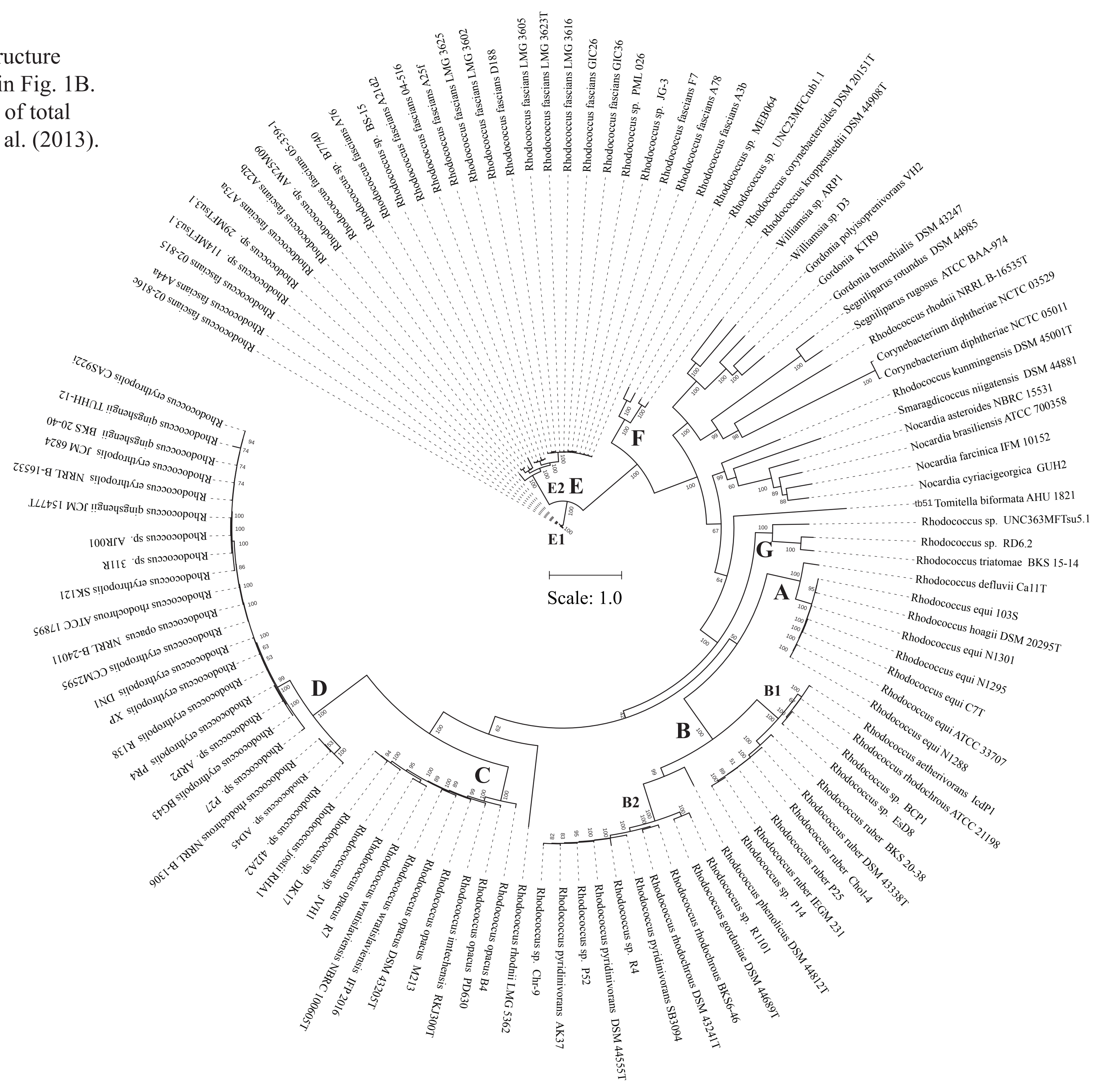
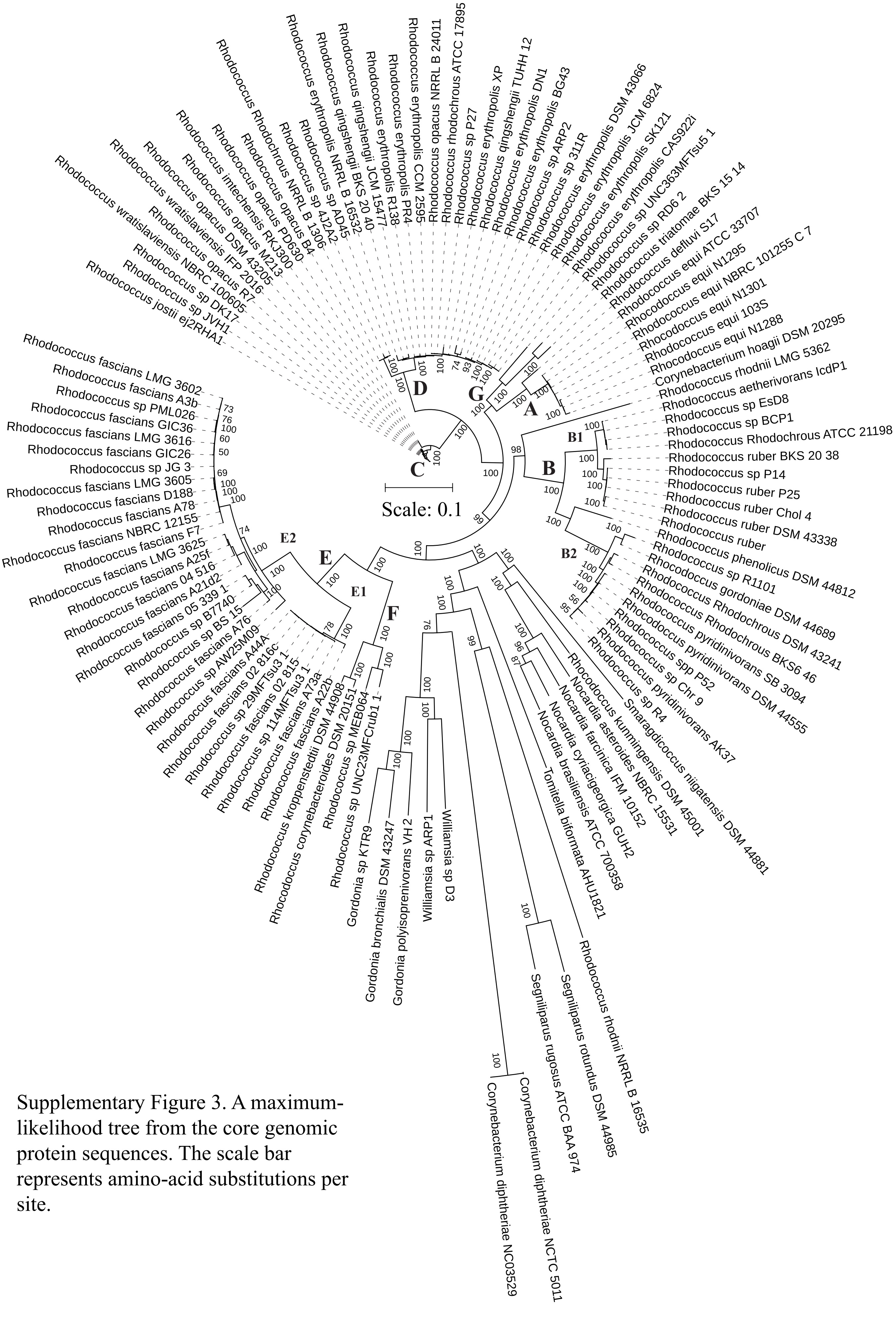
Supplementary Figure 1. The detailed structure of species-groups in the ML tree shown in Fig. 1A. The scale bar represents nucleotide substitutions per codon site.



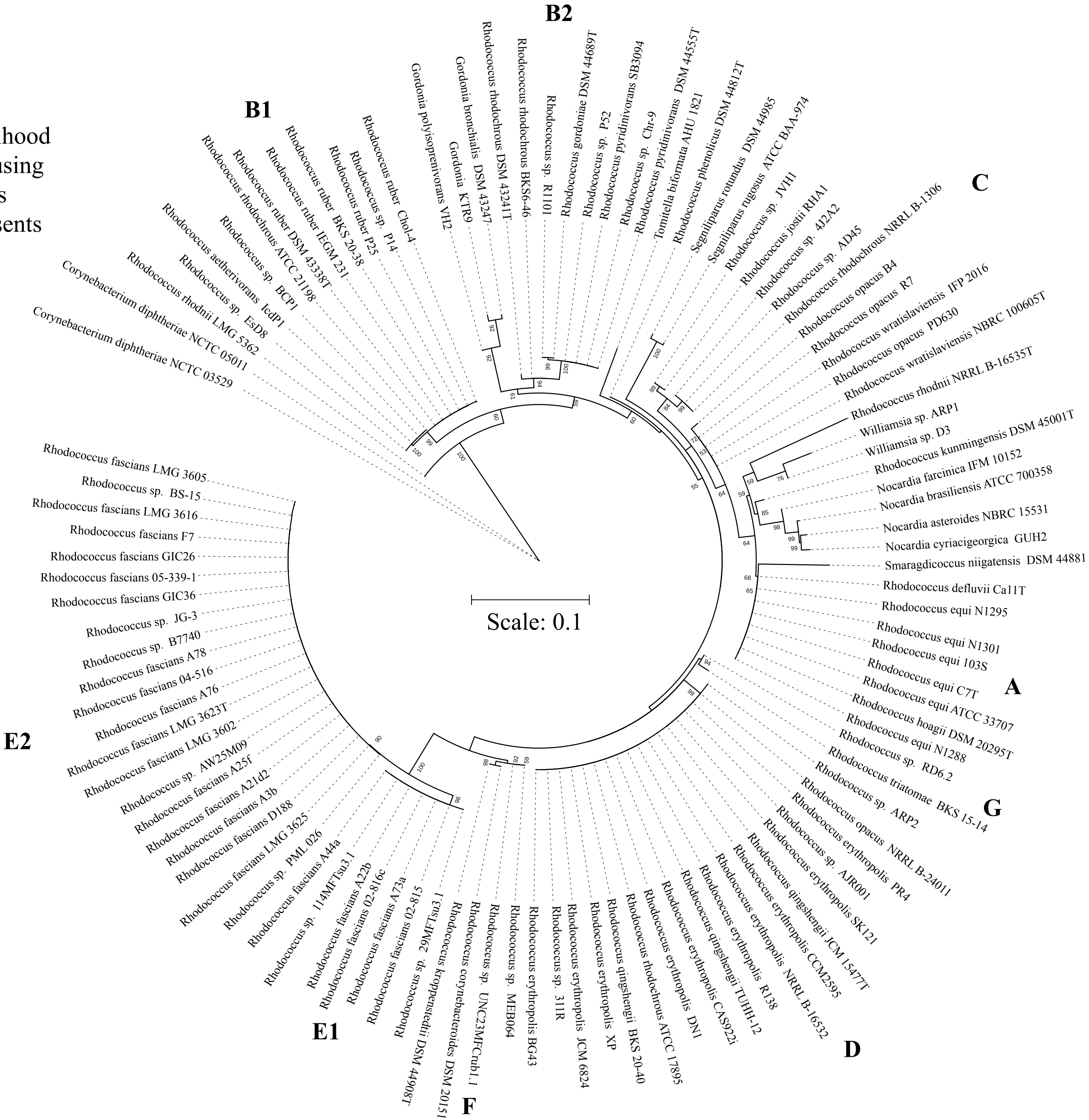
Supplementary Figure 2. The detailed structure of species-groups in the ML tree shown in Fig. 1B. The scale bar shows normalized fraction of total branch lengths as described by Segata et al. (2013).





Supplementary Figure 3. A maximum-likelihood tree from the core genomic protein sequences. The scale bar represents amino-acid substitutions per site.

Supplementary Fig. S4. A maximum-likelihood tree from 16S rRNA sequence alignment using GTR+I+G4 Model after removing the sites with the missing data. The scale bar represents nucleotide substitution per site.



Supplementary Table 1. Details of strains and genomic features

S. no.	S-ID	Organism	Strain	Accession No.	size (Mb)	GC %	#Genes	RNA genes	Group	Species	Fraction
1	re10	Rhodococcus equi	103S	NC_014659	5.04	68.8	4740	64	A	A-1	0.73
2	re11	Rhodococcus equi	N1288	LRQY00000000	5.17	68.8	4942	56	A	A-1	0.70
3	re12	Rhodococcus equi	N1295	LRQZ00000000	5.31	68.7	5078	55	A	A-1	0.68
4	re13	Rhodococcus equi	N1301	LRRA00000000	5.65	68.5	5433	53	A	A-1	0.64
5	re14	Rhodococcus equi	ATCC 33707	NZ_CM001149	5.26	68.8	4986	68	A	A-1	0.69
6	re9	Rhodococcus equi	C7^{T}	APJC00000000	5.2	68.8	4978	55	A	A-1	0.69
7	ch56	Rhodococcus hoagii	DSM 20295^{T}	LRRF00000000	4.97	68.8	4705	54	A	A-1	0.73
8	rd55	Rhodococcus defluvii	Ca11^{T}	JPOC00000000	5.14	68.7	4740	56	A	A-2	0.73
9	r34	Rhodococcus sp.	BCP1	AVAE00000000	6.21	70.4	5889	58	B (B1)	B1-1	0.34
10	r38	Rhodococcus sp.	EsD8	CAVJ000000000	6.63	70.1	6201	51	B (B1)	B1-1	0.32
11	ra97	Rhodococcus aetherivorans	IcdP1	NZ_CP011341.1	5.92	70.6	5589	66	B (B1)	B1-1	0.36
12	rrh31	Rhodococcus rhodochrous	ATCC 21198	AZHI00000000	6.48	70.2	6086	55	B (B1)	B1-1	0.33
13	r42	Rhodococcus sp.	P14	AJFC00000000	5.68	70.4	5253	51	B (B1)	B1-2	0.38
14	rrb102	Rhodococcus ruber	DSM 43338^{T}	LRRL00000000	5.3	70.7	4934	59	B (B1)	B1-2	0.41
15	rrb103	Rhodococcus ruber	IEGM 231	CCSD01000000	5.99	70.2	5636	55	B (B1)	B1-2	0.35
16	rrb104	Rhodococcus ruber	P25	LDUF01000000	5.73	70.5	5362	58	B (B1)	B1-2	0.37
17	rrb32	Rhodococcus ruber	Chol-4	ANGC00000000	5.4	70.6	5029	67	B (B1)	B1-2	0.40
18	rrb33	Rhodococcus ruber	BKS 20-38	AOEX00000000	6.13	69.7	5758	56	B (B1)	B1-3	0.35
19	rph87	Rhodococcus phenolicus	DSM 44812^{T}	LRRH00000000	6.28	68.4	6000	58	B	B-4	0.33
20	r41	Rhodococcus sp.	R1101	AJVB00000000	4.66	67.9	4384	58	B (B2)	B2-5	0.46
21	rg82	Rhodococcus gordoniae	DSM 44689^{T}	LPZN00000000	4.82	67.9	4519	59	B (B2)	B2-5	0.44
22	rrh101	Rhodococcus rhodochrous	DSM 43241^{T}	LRRK00000000	5.18	68.2	4843	59	B (B2)	B2-6	0.41
23	rrh29	Rhodococcus rhodochrous	BKS6-46	AGVW00000000	6.22	67.4	5612	59	B (B2)	B2-6	0.36
24	r111	Rhodococcus sp.	Chr-9	JTIZ01000000	5.35	67.7	5169	56	B (B2)	B2-7	0.39
25	r37	Rhodococcus sp.	R4	AFAQ00000000	8.86	69.5	8252	109	B (B2)	B2-7	0.24
26	r93	Rhodococcus sp.	P52	JPJJ01000000	5.29	67.9	5061	57	B (B2)	B2-7	0.40
27	rp25	Rhodococcus pyridinivorans	SB3094	NC_023150	5.23	68.0	4956	47	B (B2)	B2-7	0.40
28	rp26	Rhodococcus pyridinivorans	AK37	AHBW00000000	5.25	67.9	5139	55	B (B2)	B2-7	0.39
29	rp88	Rhodococcus pyridinivorans	DSM 44555^{T}	LRRI00000000	5.18	67.9	4931	56	B (B2)	B2-7	0.41

30	r43	Rhodococcus sp.	JVH1	AKKP00000000	9.18	67.0	8872	55	C	C-1	0.46
31	r44	Rhodococcus sp.	DK17	AJLQ00000000	9.11	67.1	8909	56	C	C-1	0.45
32	rj52	Rhodococcus jostii	RHA1	NC_008268	7.8	67.5	7474	62	C	C-1	0.54
33	ri20	Rhodococcus imtechensis	RKJ300^{T}	AJJH00000000	8.23	67.2	8331	54	C	C-2	0.48
34	ro24	Rhodococcus opacus	M213	AJYC00000000	9.2	67.0	8934	57	C	C-2	0.45
35	ro86	Rhodococcus opacus	DSM 43205^{T}	LRRG00000000	8.53	67.3	8267	53	C	C-2	0.49
36	rw47	Rhodococcus wratislaviensis	IFP 2016	ANIU00000000	9.7	66.9	9763	64	C	C-2	0.41
39	ro23	Rhodococcus opacus	PD630	AGVD00000000	9.16	67.0	8540	58	C	C-2	0.47
37	ro85	Rhodococcus opacus	R7	CP008947.1	8.47	67.2	7859	60	C	C-3	0.51
38	rw96	Rhodococcus wratislaviensis	NBRC 100605^{T}	BAWF01000000	10.41	66.8	9785	57	C	C-3	0.41
40	ro22	Rhodococcus opacus	B4	NC_012522	7.91	67.9	7397	61	C	C-4	0.55
41	r105	Rhodococcus sp.	311R	CFHW01000000	6.35	62.6	6088	57	D	D-1	0.59
42	rey16	Rhodococcus erythropolis	SK121	ACNO00000000	6.79	62.5	6573	56	D	D-1	0.54
43	rey57	Rhodococcus erythropolis	JCM 6824	BBLL01000000	7.02	62.3	6816	54	D	D-1	0.52
44	rey58	Rhodococcus erythropolis	NRRL B-16532	JOIL01000000	6.94	62.4	6746	61	D	D-1	0.53
45	r60	Rhodococcus sp.	AJR001	LPZM00000000	7.26	62.4	7124	56	D	D-1	0.50
46	rey98	Rhodococcus erythropolis	CAS922i	LDPN01000000	7.21	62.3	7001	66	D	D-1	0.51
47	rq27	Rhodococcus qingshengii	BKS 20-40	AODN00000000	6.6	62.4	6431	55	D	D-1	0.55
48	rq89	Rhodococcus qingshengii	TUHH-12	JNCU01000000	7.43	61.7	8298	65	D	D-1	0.43
49	rq90	Rhodococcus qingshengii	JCM 15477^{T}	LRRJ00000000	7.26	62.4	7130	56	D	D-1	0.50
50	r107	Rhodococcus sp.	ARP2	LEKE01000000	6.3	62.4	6051	63	D	D-2	0.59
51	r40	Rhodococcus sp.	P27	AVCO00000000	6.26	62.4	6736	60	D	D-2	0.53
52	rey15	Rhodococcus erythropolis	PR4	NC_012490	6.52	62.3	6250	69	D	D-2	0.57
53	rey17	Rhodococcus erythropolis	CCM2595	NC_022115	6.28	62.5	5935	65	D	D-2	0.60
54	rey18	Rhodococcus erythropolis	XP	AGCF00000000	7.23	62.3	7123	67	D	D-2	0.50
55	rey19	Rhodococcus erythropolis	DN1	AUZK00000000	6.55	62.4	6545	56	D	D-2	0.54
56	rey59	Rhodococcus erythropolis	R138	ASKF01000000	6.77	62.3	6486	65	D	D-2	0.55
57	rey99	Rhodococcus erythropolis	BG43	NZ_CP011295.1	6.33	62.4	6011	72	D	D-2	0.59
58	ro84	Rhodococcus opacus	NRRL B-24011	JOIM01000000	6.38	62.4	6040	60	D	D-2	0.59
59	rrh30	Rhodococcus rhodochrous	ATCC 17895	ASJJ00000000	6.87	62.3	6617	53	D	D-2	0.54
60	r108	Rhodococcus sp.	AD45	JYOP01000000	6.79	61.7	6544	54	D	D-3	0.54
61	r113	Rhodococcus sp.	4J2A2	CEDU01000000	6.45	61.8	6211	55	D	D-3	0.57

62	rrh92	Rhodococcus rhodochrous	NRRL B-1306	JNWS01000000	6.78	61.7	6586	59	D	D-3	0.54
63	rf61	Rhodococcus fascians	A22b	JOKB01000000	5.91	64.3	5678	58	E (E1)	E1-1	0.45
64	r35	Rhodococcus sp.	114MFTsu3.1	ARTN00000000	5.55	64.7	5307	56	E (E1)	E1-2	0.48
65	r36	Rhodococcus sp.	29MFTsu3.1	ARND00000000	5.58	64.6	5352	56	E (E1)	E1-2	0.47
66	rf64	Rhodococcus fascians	A44a	JMEX01000000	5.95	64.5	5683	49	E (E1)	E1-2	0.45
67	rf65	Rhodococcus fascians	A73a	JMEW01000000	5.93	64.4	5639	55	E (E1)	E1-2	0.45
68	rf69	Rhodococcus fascians	02-815	JMFF01000000	6.24	64.3	5969	53	E (E1)	E1-2	0.42
69	rf70	Rhodococcus fascians	02-816c	JMFE01000000	6.08	64.5	5956	55	E (E1)	E1-2	0.43
70	rf75	Rhodococcus fascians	A76	JMEV01000000	6.03	64.6	5889	53	E (E2)	E2-3	0.43
71	r110	Rhodococcus sp.	BS-15	BAOX01000000	5.51	64.4	6162	43	E (E2)	E2-4	0.41
72	r114	Rhodococcus sp.	B7740	NZ_CP010797.1	5.34	64.9	5149	59	E (E2)	E2-5	0.49
73	rf72	Rhodococcus fascians	05-339-1	JMFC01000000	5.73	64.7	5561	51	E (E2)	E2-5	0.46
74	rf63	Rhodococcus fascians	04-516	JMFD01000000	5.82	64.2	5588	53	E (E2)	E2-6	0.45
75	rf73	Rhodococcus fascians	A21d2	JMFA01000000	5.98	64.1	5748	57	E (E2)	E2-6	0.44
76	rf74	Rhodococcus fascians	A25f	JMEZ01000000	5.87	64.1	5660	55	E (E2)	E2-6	0.45
77	rf81	Rhodococcus fascians	LMG 3625	JMEM01000000	5.94	64.1	5886	58	E (E2)	E2-6	0.43
78	r112	Rhodococcus sp.	PML 026	JZIS01000000	5.17	64.7	4965	60	E (E2)	E2-7	0.51
79	r39	Rhodococcus sp.	JG-3	AXVF00000000	5.27	64.6	5100	54	E (E2)	E2-7	0.50
80	rf100	Rhodococcus fascians	F7	LFDS01000000	5.25	64.7	5047	50	E (E2)	E2-7	0.50
81	rf62	Rhodococcus fascians	A3b	JMEY01000000	6.03	64.2	5846	55	E (E2)	E2-7	0.43
82	rf66	Rhodococcus fascians	A78	JMEU01000000	6	64.3	5783	53	E (E2)	E2-7	0.44
83	rf67	Rhodococcus fascians	GIC26	JMES01000000	5.34	64.5	5176	50	E (E2)	E2-7	0.49
84	rf68	Rhodococcus fascians	GIC36	JMER01000000	5.56	64.5	5392	52	E (E2)	E2-7	0.47
85	rf76	Rhodococcus fascians	D188	JMET01000000	5.44	64.6	5222	50	E (E2)	E2-7	0.48
86	rf77	Rhodococcus fascians	LMG 3602	JMEQ01000000	5.36	64.5	5227	53	E (E2)	E2-7	0.48
87	rf78	Rhodococcus fascians	LMG 3605	JMEP01000000	5.44	64.5	5215	52	E (E2)	E2-7	0.49
88	rf79	Rhodococcus fascians	LMG 3616	JMEO01000000	5.76	64.3	5567	52	E (E2)	E2-7	0.45
89	rf80	Rhodococcus fascians	LMG 3623^{T}	JMEN01000000	5.78	64.4	5519	52	E (E2)	E2-7	0.46
90	r45	Rhodococcus sp.	AW25M09	CAPS00000000	5.64	64.1	5522	50	E (E2)	E2-8	0.46
91	rc54	Rhodococcus corynebacteroides	DSM 20151^{T}	LPZL00000000	3.9	70.3	3607	50	F	F-1	0.75
92	rkr83	Rhodococcus kroppenstedtii	DSM 44908^{T}	LPZO00000000	3.91	70.1	3650	47	F	F-2	0.74
93	r94	Rhodococcus sp.	UNC23MFCrub1.1	JMLQ01000000	4.7	68.5	4440	55	F	F-3	0.61
94	r109	Rhodococcus sp.	MEB064	JXQS01000000	4.67	67.0	4415	52	F	F-4	0.62

95	r95	Rhodococcus sp.	UNC363MFTsu5.1	JMLO01000000	5.67	69.3	5300	57	G	G-1	0.61
96	r106	Rhodococcus sp.	RD6.2	CVQP01000000	5.57	68.4	5216	64	G	G-2	0.62
97	rt46	Rhodococcus triatomae	BKS 15-14	AODO00000000	5.83	69.0	5416	57	G	G-3	0.59
98	rk21	Rhodococcus kunmingensis	DSM 45001^{T}	LRRB00000000	5.62	66.2	5234	50	-	-	
99	rr28	Rhodococcus rhodnii	LMG 5362	APMY00000000	4.39	69.7	4251	54	-	-	
100	rr91	Rhodococcus rhodnii	NRRL B-16535^{T}	JOAA01000000	12.42	66.3	11568	79	-	-	
101	na53	Nocardia asteroides	NBRC 15531	BAFO02000000	6.96	69.9	6425	56	-	-	
102	nb6	Nocardia brasiliensis	ATCC 700358	NC_018681	9.44	68.1	8769	58	-	-	
103	nc7	Nocardia cyriacigeorgica	GUH2	NC_016887	6.19	68.4	5663	58	-	-	
104	nf8	Nocardia farcinica	IFM 10152	NC_006361	6.02	70.8	5738	62	-	-	
105	g3	Gordonia	KTR9	NC_018581	5.44	67.8	4985	54	-	-	
106	gb4	Gordonia bronchialis	DSM 43247	NC_013441	5.21	67.1	5038	53	-	-	
107	gp5	Gordonia polyisoprenivorans	VH2	NC_016906	5.67	67.0	5169	58	-	-	
108	sr48	Segniliparus rotundus	DSM 44985	NC_014168	3.16	66.8	3150	49	-	-	
109	srg49	Segniliparus rugosus	ATCC BAA-974	ACZI00000000	3.57	68.1	3535	49	-	-	
110	smn50	Smaragdicoccus niigatensis	DSM 44881	AQXZ00000000	5.32	64.3	5234	52	-	-	
111	tb51	Tomitella biformata	AHU 1821	BAVQ00000000	4.71	68.1	4389	56	-	-	
112	w115	Williamsia sp.	ARP1	JXYP00000000	4.75	68.6	4460	52	-	-	
113	w116	Williamsia sp.	D3	AYTE00000000	5.62	64.6	5632	51	-	-	
114	cd1	Corynebacterium diphtheriae	NCTC 03529	AJGI00000000	2.48	53.6	2490	56	-	-	
115	cd2	Corynebacterium diphtheriae	NCTC 05011	AJVH00000000	2.38	53.6	2341	51	-	-	

Notes:

1. The strains sequenced in this study are shown in red.
2. The subgroup information is provided in parenthesis in the column "Group".
3. The predicted species from the genomic analyses are coded with numbers following the group/subgroup designation.
4. The fraction of the genes in the core genome within the group is mentioned in the column "Fraction".

Supplementary Table 2a. Pairwise fragmented BLAST similarity scores from the genome sequences

	ch56b	re10	re11b	re12b	re13b	re14	re9	rd55	r34	r38	ra97	rrh31	r42	rrb102b	rrb103	rrb104	rrb32	rrb33	rph87b	r41	rg82b	rrh101b	rrh29	r111	r37	r93	rp25	rp26	rp88b	r43	r44	rj52	ri20	ro24	ro86b	rw47	ro85	rw96	ro23	ro22	r105	rey16	rey57	rey58	r60	rey98	rq27	rq89	rq90b	r107	r40	rey15	rey17	rey18	rey19	rey59	rey99	ro84	rrh30	r108	r113	rrh92	rf61	r35	r36	rf64	rf65	rf69	rf70	rf75	r110	r114	rf72	rf63	rf73	rf74	rf81	r112	r39	rf100	rf62	rf66	rf67	rf68	rf76	rf77	rf78	rf79	rf80	r45	rc54b	rkr83	r94	r109	r95	r106	rt46	rk21b	rr28	rr91	na53	nb6	nc7	nf8	g3	gb4	gp5	cd1	cd2	w115	w116	sr48	srg49	smn50	tb51
ch56		93.01	94.80	92.56	94.08	92.20	92.98	31.30	9.53	9.49	9.59	9.50	8.99	9.00	9.05	9.02	9.03	8.67	9.43	7.30	7.21	8.04	8.18	7.53	7.55	7.41	7.87	7.46	7.41	9.55	9.29	9.52	8.69	9.48	9.52	9.47	9.46	9.49	9.55	9.74	5.93	5.80	5.91	5.92	5.89	5.91	5.94	5.91	5.89	5.82	5.20	5.79	5.87	6.00	5.87	5.85	5.84	5.87	5.87	5.19	5.33	5.30	3.82	3.96	3.90	3.90	3.94	4.00	3.98	4.49	4.19	4.48	4.43	4.11	4.11	4.23	4.11	4.22	4.20	4.26	4.18	4.22	4.20	4.22	4.13	4.24	4.12	4.21	4.20	3.76	4.75	4.74	4.81	4.33	10.76	10.02	10.11	5.16	6.53	1.76	5.89	4.96	5.04	5.83	3.27	2.96	2.94	0.20	0.19	3.55	2.51	1.01	1.44	2.63	4.27
re10	91.56		94.38	92.66	93.99	93.97	93.00	31.90	9.91	9.80	10.00	9.87	9.19	9.25	9.38	9.29	9.27	8.78	9.21	7.63	7.68	8.14	8.41	7.80	7.73	7.72	8.13	7.72	7.74	9.67	9.23	9.71	8.73	9.70	9.65	9.59	9.62	9.71	9.82	10.04	6.27	6.21	6.20	6.20	6.35	6.25	6.32	6.22	6.34	6.09	5.32	6.16	6.18	6.55	6.16	6.14	6.15	6.19	6.17	5.53	5.67	5.67	4.04	4.13	4.05	4.17	4.21	4.21	4.19	4.66	4.49	4.66	4.63	4.26	4.34	4.38	4.27	4.45	4.43	4.47	4.34	4.36	4.36	4.39	4.26	4.41	4.25	4.37	4.36	3.90	5.01	4.84	5.01	4.55	10.90	10.26	10.52	5.27	6.63	1.96	6.11	5.13	5.30	6.04	3.52	3.15	3.15	0.37	0.36	3.74	2.73	1.17	1.61	2.86	4.48
re11	90.87	91.91		92.37	93.39	91.87	93.00	30.78	9.43	9.29	9.45	9.35	8.82	8.88	8.92	8.90	8.89	8.56	9.14	7.27	7.19	7.82	8.08	7.42	7.45	7.29	7.73	7.36	7.33	9.28	9.06	9.28	8.45	9.17	9.16	9.09	9.28	9.32	9.26	9.72	5.87	5.73	5.80	5.83	5.97	5.77	5.99	5.84	5.97	5.69	5.12	5.78	5.78	6.15	5.77	5.76	5.79	5.80	5.77	5.17	5.30	5.24	3.87	3.93	3.90	3.92	3.92	3.99	3.99	4.44	4.19	4.38	4.39	3.95	3.99	4.05	4.02	4.15	4.14	4.19	4.10	4.12	4.17	4.17	4.06	4.14	4.06	4.09	4.10	3.73	4.74	4.67	4.67	4.26	10.55	9.93	10.08	5.00	6.37	1.73	5.69	4.89	4.99	5.68	3.31	2.92	2.87	0.20	0.20	3.51	2.47	0.98	1.39	2.60	4.16
re12	86.56	88.03	90.08		88.92	90.53	96.78	30.15	9.27	9.12	9.23	9.22	8.60	8.63	8.70	8.68	8.69	8.29	8.56	7.02	6.98	7.59	7.75	7.17	7.25	7.10	7.51	7.19	7.15	9.02	8.76	8.98	8.23	9.02	9.01	8.97	8.97	9.02	9.13	9.42	5.64	5.58	5.61	5.66	5.62	5.61	5.64	5.59	5.61	5.53	4.94	5.54	5.56	5.66	5.57	5.54	5.54	5.58	5.58	4.88	5.06	4.98	3.69	3.83	3.79	3.80	3.81	3.87	3.88	4.17	4.04	4.24	4.21	3.79	3.86	3.88	3.86	3.91	3.94	3.98	3.92	3.94	3.95	3.91	3.87	3.93	3.86	3.88	3.91	3.61	4.52	4.44	4.51	4.04	10.23	9.46	9.79	4.76	6.21	1.62	5.58	4.64	4.78	5.48	3.17	2.79	2.75	0.18	0.18	3.34	2.37	0.95	1.36	2.53	3.95
re13	82.61	83.84	85.54	83.49		84.16	83.65	28.49	9.55	9.41	9.62	9.53	8.88	8.92	9.00	8.99	8.97	8.72	8.53	6.60	6.57	7.17	7.59	6.80	6.86	6.71	7.08	6.83	6.76	8.54	8.39	8.51	7.70	8.37	8.38	8.29	8.38	8.48	8.53	8.79	5.36	5.32	5.36	5.35	5.40	5.39	5.38	5.36	5.39	5.28	4.73	5.30	5.29	5.41	5.36	5.31	5.30	5.30	5.29	4.78	4.86	4.86	3.50	3.66	3.62	3.63	3.62	3.70	3.70	4.03	3.80	4.02	3.98	3.71	3.73	3.70	3.68	3.76	3.82	3.78	3.77	3.82	3.81	3.73	3.71	3.80	3.71	3.72	3.81	3.42	4.38	4.22	4.35	3.96	9.65	9.19	9.37	4.56	5.81	1.58	5.23	4.46	4.56	5.21	3.05	2.63	2.65	0.17	0.16	3.21	2.24	0.90	1.29	2.38	3.83
re14	87.36	90.45	90.80	91.74	90.70		91.92	30.84	9.66	9.56	9.71	9.63	8.91	9.00	9.03	8.99	8.98	8.63	8.97	7.44	7.37	7.98	8.18	7.54	7.45	7.44	7.89	7.47	7.48	9.49	9.04	9.53	8.50	9.28	9.39	9.36	9.46	9.57	9.59	9.83	6.08	5.99	6.04	6.07	6.05	6.05	6.07	6.04	6.05	5.98	5.15	6.01	6.06	6.08	5.99	5.99	6.03	6.07	6.07	5.37	5.51	5.49	4.01	4.05	3.95	4.08	4.08	4.15	4.11	4.61	4.42	4.61	4.56	4.15	4.24	4.35	4.19	4.36	4.36	4.45	4.22	4.23	4.22	4.26	4.16	4.33	4.16	4.28	4.30	3.99	4.84	4.84	4.85	4.56	10.54	9.93	10.25	5.19	6.54	1.95	5.85	4.99	5.10	5.92	3.46	3.11	3.12	0.40	0.40	3.73	2.69	1.24	1.66	2.81	4.41
re9	88.72	90.13	92.58	98.77	90.92	92.55		30.73	9.43	9.36	9.46	9.39	8.68	8.77	8.80	8.77	8.77	8.43	8.75	7.14	7.12	7.94	8.00	7.37	7.44	7.24	7.72	7.37	7.29	9.17	8.91	9.16	8.45	9.22	9.18	9.13	9.23	9.29	9.34	9.57	5.74	5.68	5.72	5.74	5.75	5.72	5.73	5.73	5.74	5.65	5.05	5.65	5.68	5.74	5.69	5.68	5.67	5.69	5.69	5.04	5.17	5.12	3.76	3.88	3.85	3.85	3.86	3.93	3.92	4.24	4.11	4.27	4.25	3.87	3.93	4.03	3.95	4.01	4.01	4.00	3.96	3.99	3.97	3.97	3.89	4.00	3.89	3.93	3.97	3.66	4.63	4.58	4.64	4.18	10.37	9.79	10.04	4.91	6.32	1.69	5.70	4.74	4.95	5.68	3.21	2.87	2.82	0.20	0.20	3.49	2.41	0.99	1.40	2.57	4.02
rd55	30.51	31.19	31.11	31.27	31.32	31.37	31.37		9.74	9.62	9.81	9.70	9.02	8.99	9.10	9.07	9.04	8.78	8.91	7.05	7.30	7.94	8.13	7.71	7.77	7.59	7.58	7.71	7.67	9.44	9.27	9.46	8.69	9.38	9.37	9.32	9.39	9.46	9.39	9.83	5.89	5.92	6.00	5.98	5.95	5.87	5.95	5.88	5.96	5.92	5.17	5.94	5.87	5.88	5.81	5.89	5.86	5.87	5.87	5.77	5.78	5.82	3.96	3.97	3.97	3.99	3.98	4.02	4.03	4.61	4.12	4.48	4.45	4.15	4.13	4.19	4.12	4.09	4.10	4.10	4.12	4.05	4.07	4.13	4.05	4.04	4.05	4.07	4.11	3.89	4.71	4.63	4.79	4.27	11.31	10.67	10.22	5.23	6.17	1.83	5.94	4.84	5.03	5.76	3.35	2.84	3.00	0.19	0.20	3.65	2.54	0.93	1.35	2.69	4.50
r34	7.83	7.98	8.01	8.07	8.86	8.04	8.06	8.12		88.38	84.62	92.22	57.52	55.52	57.33	57.29	55.76	56.07	14.64	10.64	11.69	11.86	12.78	12.12	11.99	12.55	11.38	12.15	12.60	9.46	9.36	9.32	8.90	9.51	9.31	9.84	9.24	9.48	9.25	9.19	4.03	4.05	4.08	4.11	4.09	4.08	4.02	4.05	4.08	3.96	3.51	4.01	4.04	4.06	3.98	4.01	4.00	4.05	4.06	3.91	3.71	3.69	3.20	3.26	3.20	3.23	3.27	3.30	3.31	3.87	3.52	3.87	3.80	3.35	3.42	3.45	3.37	3.44	3.48	3.41	3.38	3.36	3.34	3.41	3.41	3.43	3.40	3.45	3.48	3.22	4.35	4.35	4.13	3.64	7.78	7.27	7.58	4.59	5.28	1.82	5.52	4.50	4.82	6.12	3.29	3.19	2.95	0.24	0.25	3.24	2.29	1.03	1.45	2.21	3.87
r38	7.23	7.35	7.36	7.39	8.12	7.39	7.38	7.46	83.12		80.64	82.22	55.21	53.10	57.06	56.50	53.58	53.55	13.73	10.04	10.93	11.05	12.09	11.25	11.45	11.91	10.68	11.84	11.87	8.81	9.10	8.64	8.04	8.56	8.77	9.00	8.69	8.85	8.63	8.47	3.59	3.65	3.70	3.69	3.70	3.66	3.61	3.65	3.69	3.55	3.20	3.62	3.61	3.63	3.61	3.60	3.58	3.62	3.65	3.45	3.29	3.28	2.93	2.95	2.94	2.93	2.99	2.97	3.00	3.51	3.28	3.53	3.49	3.07	3.12	3.18	3.10	3.18	3.15	3.14	3.14	3.13	3.13	3.20	3.17	3.15	3.17	3.16	3.19	2.94	3.87	3.96	3.79	3.27	7.22	6.76	7.00	4.22	4.82	1.62	5.12	4.19	4.41	5.54	2.93	2.86	2.68	0.15	0.15	2.91	2.02	0.89	1.26	1.98	3.56
ra97	8.35	8.54	8.47	8.50	9.39	8.50	8.51	8.68	88.84	90.33		89.66	60.16	58.92	60.58	60.35	59.27	59.15	14.94	11.44	11.90	12.48	13.59	12.14	12.23	12.20	12.20	12.40	12.30	9.47	9.52	9.62	8.65	9.41	9.29	9.59	9.30	9.42	9.59	9.46	4.15	4.18	4.13	4.18	4.19	4.18	4.11	4.16	4.18	4.18	3.64	4.24	4.20	4.26	4.19	4.21	4.20	4.21	4.21	4.05	4.01	4.00	3.40	3.50	3.41	3.50	3.49	3.55	3.54	4.05	3.78	4.06	3.98	3.54	3.61	3.69	3.60	3.70	3.70	3.66	3.64	3.59	3.57	3.62	3.62	3.65	3.62	3.70	3.67	3.45	4.60	4.65	4.41	3.81	8.36	7.73	8.07	4.89	5.62	1.93	6.02	4.84	5.20	6.44	3.47	3.17	3.15	0.30	0.31	3.41	2.43	1.15	1.59	2.39	4.16
rrh31	7.37	7.49	7.51	7.61	8.36	7.56	7.56	7.62	88.60	83.99	81.70		54.82	52.61	56.82	56.48	54.61	54.76	14.03	10.17	11.28	11.39	12.29	11.73	11.69	12.36	10.94	12.12	12.24	8.69	8.85	8.85	7.92	8.62	8.52	8.84	8.47	8.61	8.58	8.45	3.67	3.70	3.70	3.71	3.72	3.71	3.63	3.68	3.71	3.65	3.32	3.72	3.67	3.79	3.69	3.70	3.71	3.67	3.72	3.49	3.39	3.38	3.00	3.10	3.06	3.05	3.04	3.11	3.13	3.56	3.30	3.56	3.54	3.11	3.21	3.18	3.09	3.23	3.25	3.21	3.19	3.16	3.21	3.21	3.24	3.23	3.24	3.25	3.27	3.08	4.06	4.05	3.92	3.39	7.41	6.98	7.11	4.32	4.89	1.64	5.24	4.22	4.62	5.62	3.01	2.85	2.74	0.16	0.16	2.99	2.13	0.88	1.29	2.00	3.70
r42	7.92	8.06	8.09	8.11	8.91	8.15	8.08	8.19	63.27	64.56	63.07	62.64		87.06	89.51	88.00	87.09	72.18	14.32	11.00	11.60	11.96	12.89	12.22	12.58	12.49	11.78	12.72	12.37	8.79	8.74	8.51	8.15	8.64	8.93	9.12	8.67	8.69	8.59	8.87	3.99	4.16	4.13	4.02	4.12	4.05	4.00	4.10	4.12	3.92	3.50	3.91	4.04	4.12	3.92	3.97	3.93	4.03	4.14	3.63	3.52	3.51	3.09	3.18	3.13	3.16	3.21	3.21	3.21	3.78	3.50	3.84	3.84	3.33	3.39	3.39	3.34	3.36	3.35	3.34	3.25	3.28	3.30	3.36	3.31	3.34	3.31	3.35	3.31	3.12	4.29	4.32	4.22	3.61	7.70	7.12	7.59	4.46	5.31	1.67	5.51	4.40	4.90	5.95	3.20	3.21	2.94	0.15	0.16	3.20	2.28	0.91	1.39	2.18	3.82
rrb102	8.36	8.49	8.54	8.55	9.43	8.60	8.55	8.71	64.87	66.21	65.62	64.18	92.43		91.95	92.15	93.77	74.89	15.14	11.67	12.21	12.71	13.70	12.78	12.83	12.87	12.54	13.16	12.67	9.13	9.15	8.89	8.45	8.94	9.16	9.19	8.91	8.96	9.05	9.29	4.19	4.23	4.26	4.20	4.25	4.22	4.22	4.22	4.24	4.22	3.74	4.24	4.23	4.30	4.23	4.27	4.24	4.22	4.23	3.79	3.77	3.75	3.28	3.36	3.32	3.31	3.37	3.42	3.42	4.04	3.83	4.09	4.01	3.58	3.60	3.65	3.59	3.62	3.64	3.63	3.56	3.58	3.59	3.65	3.60	3.62	3.59	3.61	3.59	3.38	4.52	4.48	4.48	3.82	8.18	7.46	8.03	4.67	5.69	1.80	5.78	4.74	5.11	6.34	3.42	3.23	3.10	0.17	0.18	3.41	2.41	0.99	1.49	2.24	4.01
rrb103	7.72	7.92	7.86	7.90	8.75	7.87	7.87	7.96	60.02	63.37	60.13	61.73	84.83	82.00		88.80	84.17	69.39	14.23	10.78	11.62	11.78	12.71	12.41	12.53	12.87	11.75	13.37	12.75	8.49	8.46	8.38	7.84	8.61	8.74	9.01	8.16	8.29	8.31	8.44	4.00	4.18	4.14	4.08	4.16	4.11	4.03	4.36	4.16	3.98	3.45	3.96	4.05	4.18	3.99	4.01	3.97	4.05	4.15	3.57	3.49	3.49	3.10	3.11	3.03	3.11	3.16	3.16	3.23	3.77	3.57	3.81	3.78	3.33	3.41	3.40	3.36	3.43	3.42	3.40	3.28	3.35	3.36	3.43	3.34	3.40	3.34	3.41	3.38	3.17	4.17	4.21	4.12	3.59	7.51	7.02	7.43	4.38	5.28	1.66	5.43	4.44	4.83	5.86	3.16	3.18	2.91	0.20	0.20	3.25	2.24	0.99	1.42	2.12	3.87
rrb104	7.83	8.02	8.01	8.04	8.90	8.04	8.02	8.17	62.08	64.94	62.21	63.38	86.51	85.39	91.89		88.48	72.52	14.65	11.01	12.36	12.14	13.15	12.66	12.66	13.46	12.00	13.31	13.16	8.50	8.62	8.59	8.11	8.85	8.60	9.18	8.32	8.37	8.59	8.72	3.98	4.11	4.03	3.96	4.08	4.00	3.96	4.09	4.07	4.04	3.55	4.02	4.03	4.10	4.03	4.07	4.00	4.02	4.06	3.56	3.53	3.54	3.09	3.19	3.11	3.15	3.18	3.23	3.26	3.88	3.52	3.82	3.77	3.42	3.46	3.45	3.40	3.46	3.37	3.40	3.29	3.40	3.41	3.47	3.36	3.43	3.36	3.41	3.36	3.20	4.36	4.31	4.25	3.65	7.76	7.21	7.62	4.46	5.38	1.67	5.51	4.50	4.94	5.94	3.24	3.17	2.98	0.17	0.18	3.24	2.21	0.95	1.40	2.13	3.78
rrb32	8.32	8.50	8.52	8.57	9.48	8.56	8.54	8.60	63.85	65.19	64.68	64.92	90.83	92.12	92.52	93.69		74.87	15.36	11.72	12.46	12.78	13.67	13.00	13.18	13.39	12.54	13.78	13.24	8.95	8.98	9.01	8.52	9.27	8.94	9.36	8.69	8.72	8.89	9.13	4.20	4.30	4.18	4.14	4.28	4.16	4.16	4.29	4.28	4.14	3.68	4.15	4.10	4.23	4.13	4.18	4.14	4.10	4.14	3.77	3.77	3.76	3.25	3.34	3.29	3.32	3.37	3.38	3.42	4.02	3.78	4.08	4.06	3.58	3.61	3.60	3.53	3.70	3.64	3.63	3.54	3.64	3.67	3.70	3.60	3.70	3.60	3.68	3.65	3.44	4.58	4.60	4.56	3.86	8.17	7.60	8.05	4.75	5.65	1.75	5.70	4.69	5.23	6.33	3.42	3.29	3.07	0.19	0.20	3.43	2.43	0.97	1.45	2.23	3.99
rrb33	7.13	7.25	7.26	7.29	8.11	7.27	7.27	7.38	56.58	57.54	56.97	57.50	66.22	64.75	67.28	67.73	65.93		12.94	9.90	10.75	11.08	11.91	11.29	11.23	11.69	10.60	11.31	11.48	8.03	8.15	8.05	7.56	8.11	8.28	8.60	7.74	8.28	8.15	8.26	3.57	3.71	3.69	3.59	3.71	3.62	3.58	3.71	3.70	3.56	3.16	3.55	3.59	3.74	3.56	3.59	3.54	3.59	3.70	3.22	3.22	3.23	2.92	2.97	2.94	2.94	2.95	3.00	3.01	3.42	3.12	3.44	3.40	2.98	3.00	3.05	3.04	3.07	3.10	3.09	3.05	3.08	2.99	3.06	3.10	3.09	3.10	3.08	3.07	2.94	3.88	3.84	3.73	3.25	6.86	6.46	6.82	4.02	4.79	1.57	5.03	4.01	4.40	5.29	2.86	2.70	2.55	0.14	0.15	2.83	2.02	0.83	1.24	1.91	3.42
rph87	7.37	7.12	7.45	7.22	7.57	7.13	7.22	7.23	14.20	14.14	13.84	14.18	12.71	12.67	13.12	13.16	12.90	12.49		11.06	11.95	12.52	14.17	12.45	11.98	12.39	11.57	11.83	11.86	6.69	6.52	6.64	6.12	6.64	6.55	6.58	6.65	6.79	6.71	6.87	3.68	3.69	3.82	3.67	3.75	3.66	3.62	3.71	3.75	3.54	3.19	3.56	3.58	3.75	3.64	3.61	3.53	3.58	3.62	3.37	3.34	3.31	2.79	2.90	2.85	2.94	2.92	2.94	2.91	3.33	2.97	3.21	3.17	3.00	3.02	2.99	3.05	3.07	3.05	2.99	3.04	3.05	3.06	3.06	3.03	3.03	3.03	3.03	3.05	2.76	3.42	3.44	3.30	2.97	6.27	6.60	7.15	3.99	4.82	1.40	4.53	3.71	3.92	4.60	2.56	2.43	2.50	0.16	0.16	2.69	1.86	0.78	1.11	2.02	3.09
r41	7.97	8.18	8.14	8.07	8.18	8.18	8.08	7.85	14.18	14.29	14.30	14.20	13.45	13.53	13.69	13.67	13.68	13.18	15.07		88.73	57.71	60.71	58.37	59.31	59.12	58.99	59.21	59.66	7.33	7.20	7.38	6.71	7.23	7.33	7.40	7.30	7.37	7.36	7.47	4.37	4.34	4.38	4.36	4.35	4.32	4.41	4.30	4.34	4.23	3.78	4.32	4.33	4.33	4.32	4.33	4.32	4.33	4.32	3.90	3.88	4.04	3.20	3.37	3.28	3.38	3.30	3.37	3.35	3.78	3.53	3.68	3.60	3.52	3.53	3.58	3.56	3.69	3.69	3.60	3.64	3.70	3.68	3.64	3.66	3.66	3.65	3.62	3.61	3.37	4.42	4.26	4.24	3.78	6.67	7.09	7.37	4.52	5.90	1.59	5.26	4.30	4.71	5.42	3.32	3.11	2.94	0.23	0.22	3.62	2.49	0.96	1.27	2.45	3.43
rg82	7.46	7.76	7.62	7.62	7.62	7.64	7.61	7.78	14.62	14.70	14.07	14.72	13.37	13.28	14.01	14.28	13.72	13.51	15.32	84.22		57.65	59.38	58.58	58.82	59.24	58.21	59.40	59.99	7.35	7.20	7.40	6.73	7.34	7.29	7.44	7.33	7.38	7.31	7.51	4.25	4.34	4.30	4.28	4.30	4.26	4.35	4.26	4.30	4.13	3.64	4.17	4.17	4.28	4.20	4.19	4.17	4.18	4.21	3.72	3.72	3.83	3.16	3.28	3.21	3.39	3.28	3.33	3.30	3.73	3.44	3.69	3.61	3.42	3.48	3.51	3.49	3.60	3.62	3.58	3.56	3.58	3.55	3.55	3.56	3.54	3.55	3.58	3.59	3.26	4.42	4.25	4.03	3.67	6.60	7.08	7.07	4.37	5.81	1.55	5.23	4.25	4.72	5.27	3.25	3.05	2.94	0.23	0.22	3.49	2.37	0.91	1.32	2.40	3.56
rrh101	7.56	7.58	7.56	7.66	7.48	7.60	7.66	7.73	13.93	13.95	13.84	13.97	12.92	12.96	13.17	13.20	13.11	12.88	15.14	51.16	53.60		76.24	67.99	67.22	67.63	67.78	67.73	67.43	7.35	7.21	7.28	6.65	7.38	7.38	7.40	7.39	7.48	7.39	7.64	4.16	4.17	4.22	4.14	4.15	4.16	4.19	4.15	4.14	4.02	3.57	4.04	4.11	4.11	4.14	4.10	4.10	4.11	4.12	3.80	3.77	3.77	3.09	3.16	3.14	3.20	3.13	3.26	3.21	3.76	3.49	3.70	3.66	3.28	3.30	3.32	3.29	3.50	3.47	3.44	3.46	3.46	3.49	3.48	3.43	3.40	3.42	3.51	3.51	3.18	4.21	4.22	4.22	3.75	6.54	7.02	7.48	4.44	5.78	1.54	5.17	4.20	4.54	5.19	3.25	2.94	2.95	0.20	0.20	3.47	2.38	0.89	1.31	2.32	3.65
rrh29	6.62	6.70	6.72	6.68	6.91	6.74	6.70	6.72	12.73	12.87	12.76	12.76	11.78	11.75	12.05	12.05	11.87	11.63	14.36	45.29	46.58	64.29		58.53	58.94	59.46	59.11	58.97	58.94	6.66	6.55	6.63	6.07	6.57	6.59	6.64	6.62	6.70	6.69	6.82	3.73	3.75	3.74	3.67	3.73	3.74	3.76	3.72	3.73	3.63	3.23	3.64	3.69	3.67	3.67	3.69	3.66	3.69	3.69	3.35	3.34	3.34	2.75	2.91	2.92	2.92	2.88	2.96	2.91	3.34	3.03	3.28	3.26	2.98	2.99	2.98	2.98	3.19	3.21	3.20	3.23	3.19	3.17	3.17	3.16	3.14	3.15	3.20	3.18	2.86	3.80	3.72	3.64	3.26	5.81	6.21	6.58	3.99	5.00	1.43	4.70	3.71	4.09	4.80	2.99	2.64	2.70	0.21	0.20	3.10	2.06	0.78	1.13	2.08	3.27
r111	7.08	7.21	7.16	7.18	7.19	7.24	7.19	7.38	13.88	13.78	13.07	13.97	13.06	12.76	13.46	13.48	13.14	12.88	14.87	50.20	53.05	65.84	67.29		82.01	82.70	77.81	84.24	83.73	7.42	7.35	7.28	6.86	7.39	7.40	7.59	7.06	7.20	6.92	7.35	4.05	4.30	4.23	4.08	4.19	4.08	4.06	4.24	4.18	3.77	3.33	3.80	3.92	3.90	3.86	3.84	3.82	3.92	3.98	3.72	3.52	3.59	3.06	3.11	3.06	3.12	3.11	3.17	3.15	3.66	3.48	3.58	3.57	3.12	3.27	3.31	3.29	3.62	3.54	3.44	3.42	3.46	3.55	3.58	3.51	3.47	3.50	3.53	3.53	3.19	4.08	4.08	3.94	3.57	6.10	6.74	6.77	4.18	5.45	1.50	5.11	4.01	4.55	5.20	3.07	3.17	2.87	0.23	0.22	3.39	2.29	0.86	1.23	2.31	3.47
r37	4.59	4.67	4.64	4.68	4.68	4.67	4.64	4.84	8.91	9.01	8.43	8.87	8.53	8.09	8.69	8.61	8.51	8.31	8.78	30.61	31.97	39.18	40.70	49.10		50.22	46.38	50.32	48.59	4.88	4.79	4.71	4.46	4.82	4.75	4.85	4.67	4.75	4.54	4.84	2.68	2.87	2.73	2.71	2.74	2.69	2.70	2.80	2.73	2.55	2.28	2.58	2.65	2.60	2.59	2.60	2.58	2.65	2.65	2.37	2.28	2.28	2.05	2.09	2.07	2.13	2.13	2.13	2.12	2.53	2.33	2.47	2.46	2.15	2.23	2.26	2.25	2.43	2.35	2.29	2.30	2.32	2.38	2.41	2.33	2.34	2.33	2.38	2.38	2.17	2.84	2.87	2.75	2.49	4.15	4.38	4.56	2.84	3.69	1.39	3.61	2.84	3.10	3.61	2.29	2.38	2.09	0.14	0.13	2.51	1.63	0.68	0.98	1.59	2.53
r93	6.96	7.14	7.05	7.19	7.15	7.13	7.12	7.37	14.91	15.08	13.26	14.85	13.48	12.79	14.16	14.62	13.71	13.69	14.79	51.27	54.06	66.12	68.95	83.49	84.61		79.10	83.71	83.66	7.30	7.07	7.12	6.62	7.26	7.20	7.28	7.11	7.19	6.97	7.34	4.11	4.30	4.17	4.17	4.21	4.12	4.11	4.30	4.20	3.87	3.44	3.90	4.05	3.96	3.90	3.94	3.90	4.05	4.07	3.65	3.50	3.50	3.05	3.10	3.07	3.13	3.15	3.15	3.16	3.71	3.43	3.63	3.61	3.13	3.25	3.30	3.26	3.56	3.45	3.40	3.48	3.52	3.48	3.53	3.49	3.45	3.48	3.54	3.49	3.17	4.10	4.07	3.96	3.62	6.13	6.63	6.81	4.18	5.45	1.55	5.07	4.07	4.47	5.14	3.14	3.04	2.85	0.20	0.19	3.39	2.32	0.87	1.22	2.30	3.41
rp25	8.09	8.27	8.20	8.20	8.24	8.27	8.21	7.98	14.23	14.49	14.41	14.24	13.65	13.66	14.11	14.06	13.81	13.17	15.09	56.06	57.99	72.23	75.01	85.58	85.36	86.30		86.85	86.26	7.68	7.40	7.60	6.92	7.66	7.67	7.67	7.65	7.80	7.53	7.89	4.46	4.48	4.45	4.42	4.53	4.43	4.45	4.48	4.53	4.27	3.69	4.33	4.37	4.42	4.34	4.36	4.38	4.38	4.36	3.94	3.89	3.92	3.49	3.54	3.47	3.60	3.57	3.64	3.60	4.12	3.82	4.06	4.00	3.58	3.67	3.71	3.72	4.06	3.91	3.87	3.87	3.82	3.88	3.98	3.86	3.91	3.85	3.92	3.91	3.51	4.58	4.57	4.37	4.07	6.60	7.15	7.68	4.56	6.00	1.78	5.58	4.48	4.91	5.68	3.59	3.16	3.22	0.39	0.38	3.77	2.58	1.06	1.49	2.64	3.75
rp26	7.13	7.31	7.19	7.33	7.30	7.32	7.31	7.48	14.23	14.82	13.73	14.61	13.73	13.40	14.58	14.37	14.18	13.10	14.37	51.95	54.77	66.93	69.04	85.74	85.34	84.17	80.32		85.83	7.37	7.40	7.29	6.88	7.35	7.39	7.55	7.20	7.28	7.02	7.44	4.14	4.31	4.20	4.20	4.25	4.14	4.18	4.32	4.24	3.88	3.43	3.92	4.03	4.02	3.95	3.94	3.93	4.03	4.07	3.71	3.56	3.59	3.02	3.09	3.06	3.12	3.14	3.13	3.15	3.70	3.43	3.63	3.62	3.21	3.35	3.37	3.32	3.61	3.47	3.39	3.42	3.44	3.51	3.58	3.49	3.46	3.48	3.51	3.50	3.23	4.11	4.08	4.03	3.67	6.26	6.75	6.98	4.24	5.48	1.53	5.15	4.08	4.48	5.24	3.20	3.17	2.90	0.23	0.23	3.41	2.35	0.87	1.25	2.30	3.48
rp88	7.22	7.40	7.28	7.42	7.36	7.38	7.38	7.58	15.02	15.18	13.87	14.91	13.63	13.06	14.31	14.41	13.81	13.55	14.51	53.19	56.24	67.48	69.96	86.38	83.41	85.15	80.86	86.95		7.64	7.59	7.53	7.07	7.58	7.54	7.64	7.26	7.36	7.16	7.55	4.23	4.35	4.29	4.24	4.33	4.26	4.26	4.33	4.32	3.93	3.50	3.94	4.08	4.07	4.00	4.01	3.98	4.08	4.11	3.82	3.63	3.69	3.15	3.24	3.19	3.26	3.28	3.27	3.28	3.77	3.53	3.77	3.76	3.22	3.32	3.46	3.37	3.67	3.60	3.51	3.54	3.60	3.56	3.65	3.62	3.56	3.61	3.69	3.67	3.21	4.21	4.11	4.08	3.65	6.32	6.96	7.12	4.46	5.56	1.57	5.19	4.14	4.53	5.36	3.23	3.13	2.93	0.22	0.20	3.51	2.34	0.92	1.26	2.40	3.61
r43	5.19	5.27	5.30	5.29	5.33	5.32	5.28	5.33	6.42	6.38	6.15	6.21	5.51	5.43	5.48	5.37	5.36	5.37	4.74	3.74	3.96	4.28	4.57	4.40	4.44	4.24	4.17	4.33	4.38		75.91	73.40	54.93	60.41	60.55	61.91	62.06	63.00	60.96	47.04	4.37	4.39	4.46	4.30	4.36	4.37	4.40	4.36	4.36	4.16	3.79	4.21	4.30	4.36	4.22	4.30	4.26	4.31	4.33	3.93	3.75	3.80	2.74	2.69	2.74	2.74	2.81	2.79	2.73	3.01	2.66	3.05	3.04	2.71	2.74	2.87	2.77	2.78	2.84	2.80	2.82	2.81	2.76	2.78	2.77	2.76	2.77	2.80	2.82	2.51	2.95	2.89	3.13	2.86	5.67	4.79	4.69	2.89	3.56	1.05	3.25	2.76	2.91	3.31	1.92	1.93	1.80	0.11	0.11	2.03	1.56	0.50	0.74	1.42	2.16
r44	5.18	5.24	5.28	5.29	5.35	5.28	5.28	5.28	6.62	6.76	6.41	6.42	5.65	5.55	5.59	5.59	5.46	5.62	4.66	3.76	3.93	4.16	4.54	4.43	4.42	4.22	4.16	4.41	4.43	76.95		79.23	57.19	60.80	61.56	63.36	60.01	61.07	60.75	46.80	4.31	4.37	4.44	4.28	4.30	4.35	4.32	4.29	4.29	4.08	3.73	4.14	4.26	4.29	4.12	4.20	4.17	4.26	4.31	3.93	3.74	3.77	2.68	2.65	2.71	2.70	2.77	2.77	2.71	2.96	2.64	2.93	2.94	2.69	2.71	2.81	2.74	2.76	2.76	2.76	2.78	2.80	2.77	2.77	2.75	2.71	2.74	2.76	2.79	2.44	2.87	2.76	3.04	2.77	5.78	4.74	4.70	2.94	3.40	1.03	3.32	2.71	2.90	3.23	1.86	1.91	1.75	0.09	0.08	1.99	1.56	0.47	0.71	1.37	2.14
rj52	6.30	6.40	6.44	6.39	6.42	6.40	6.40	6.46	7.53	7.53	7.47	7.49	6.44	6.38	6.49	6.52	6.43	6.41	5.66	4.65	4.87	5.13	5.50	5.19	5.12	5.04	4.99	5.16	5.22	86.79	92.34		62.56	69.21	68.96	68.55	70.32	70.09	71.02	53.16	5.32	5.28	5.25	5.19	5.26	5.24	5.25	5.28	5.25	5.04	4.47	5.10	5.23	5.24	5.07	5.15	5.16	5.24	5.25	4.69	4.55	4.54	3.32	3.30	3.34	3.36	3.46	3.46	3.36	3.62	3.25	3.69	3.64	3.31	3.35	3.45	3.32	3.37	3.46	3.40	3.39	3.41	3.30	3.33	3.30	3.35	3.29	3.42	3.42	3.08	3.56	3.46	3.76	3.47	6.93	5.84	5.73	3.59	4.26	1.33	3.97	3.42	3.55	3.97	2.36	2.35	2.20	0.23	0.22	2.52	2.00	0.71	1.00	1.83	2.63
ri20	5.25	5.31	5.34	5.34	5.37	5.34	5.36	5.45	6.85	6.66	6.34	6.35	5.76	5.59	5.74	5.73	5.66	5.70	4.80	3.84	3.99	4.25	4.61	4.60	4.63	4.41	4.23	4.58	4.56	61.72	63.42	59.50		71.01	72.55	72.79	58.72	60.01	63.00	46.38	4.32	4.48	4.43	4.38	4.43	4.40	4.36	4.50	4.42	4.15	3.78	4.17	4.29	4.29	4.19	4.19	4.25	4.29	4.32	3.96	3.73	3.80	2.62	2.66	2.68	2.70	2.78	2.73	2.70	2.94	2.78	2.98	3.01	2.72	2.80	2.84	2.82	2.77	2.77	2.81	2.77	2.78	2.73	2.81	2.78	2.72	2.78	2.81	2.77	2.51	2.89	2.84	3.15	2.82	5.74	4.86	4.74	2.98	3.61	1.05	3.24	2.93	2.89	3.31	1.89	1.94	1.79	0.08	0.08	2.03	1.61	0.50	0.76	1.44	2.17
ro24	5.20	5.36	5.32	5.33	5.36	5.30	5.34	5.33	6.52	6.35	6.22	6.26	5.47	5.37	5.57	5.64	5.61	5.55	4.70	3.71	3.94	4.23	4.54	4.35	4.38	4.23	4.19	4.34	4.29	60.68	60.30	58.56	63.64		74.48	76.99	58.33	59.37	64.88	45.84	4.25	4.30	4.53	4.22	4.29	4.28	4.27	4.25	4.28	4.19	3.79	4.20	4.29	4.38	4.20	4.25	4.26	4.29	4.35	3.91	3.75	3.80	2.63	2.69	2.72	2.73	2.78	2.77	2.72	2.90	2.68	2.87	2.90	2.72	2.77	2.79	2.73	2.74	2.76	2.81	2.77	2.80	2.69	2.79	2.75	2.75	2.74	2.79	2.78	2.49	2.85	2.81	3.13	2.85	5.65	4.82	4.64	2.83	3.60	1.03	3.30	2.87	2.87	3.34	1.85	1.86	1.75	0.10	0.10	1.93	1.57	0.49	0.74	1.37	2.21
ro86	5.62	5.71	5.74	5.74	5.81	5.74	5.75	5.71	6.94	7.02	6.63	6.70	6.13	5.94	6.13	5.91	5.87	6.13	5.02	4.12	4.26	4.64	4.96	4.83	4.78	4.64	4.57	4.82	4.76	65.26	65.55	63.01	69.79	80.11		92.65	62.64	63.34	69.27	49.35	4.60	4.75	4.71	4.61	4.68	4.67	4.64	4.67	4.67	4.53	4.10	4.54	4.61	4.75	4.51	4.56	4.63	4.61	4.67	4.24	4.03	4.06	2.81	2.89	2.95	2.93	2.98	2.98	2.96	3.22	2.90	3.14	3.19	2.99	2.99	3.05	2.95	2.94	2.97	3.01	2.98	2.97	2.91	2.99	2.96	2.95	2.95	3.01	3.00	2.69	3.06	3.01	3.40	3.09	6.08	5.23	5.09	3.08	3.80	1.12	3.48	3.08	3.08	3.59	2.04	2.04	1.87	0.12	0.12	2.14	1.69	0.54	0.82	1.50	2.29
rw47	4.99	5.07	5.10	5.10	5.12	5.10	5.11	5.12	6.56	6.50	6.09	6.19	5.62	5.31	5.72	5.66	5.50	5.77	4.53	3.74	3.91	4.12	4.49	4.47	4.44	4.24	4.04	4.46	4.35	59.74	60.64	55.91	62.86	74.31	83.01		55.23	57.07	62.72	45.06	4.15	4.50	4.68	4.18	4.35	4.24	4.18	4.39	4.35	4.02	3.66	4.04	4.18	4.40	4.03	4.07	4.13	4.19	4.36	3.80	3.62	3.70	2.53	2.57	2.64	2.64	2.74	2.68	2.65	2.88	2.63	2.87	2.91	2.67	2.70	2.80	2.71	2.66	2.69	2.72	2.70	2.71	2.67	2.70	2.67	2.67	2.67	2.74	2.72	2.43	2.78	2.76	3.07	2.78	5.58	4.76	4.53	2.77	3.41	1.03	3.30	2.74	2.89	3.20	1.84	1.96	1.70	0.11	0.10	1.93	1.52	0.49	0.75	1.35	2.12
ro85	5.70	5.76	5.81	5.80	5.80	5.80	5.81	5.86	7.06	7.11	6.78	6.80	6.07	5.93	5.92	5.90	5.85	5.86	5.21	4.22	4.39	4.74	5.01	4.67	4.71	4.61	4.61	4.67	4.63	67.52	64.48	64.90	57.27	63.37	63.19	62.55		89.62	69.78	52.56	4.91	4.95	4.89	4.91	4.90	4.94	4.89	4.90	4.89	4.82	4.33	4.83	4.88	4.94	4.82	4.90	4.90	4.89	4.90	4.42	4.23	4.25	3.11	3.12	3.13	3.15	3.22	3.25	3.14	3.32	3.10	3.32	3.41	3.12	3.10	3.20	3.15	3.03	3.14	3.14	3.09	3.11	3.02	3.08	3.04	3.08	3.04	3.11	3.09	2.88	3.27	3.18	3.50	3.17	6.33	5.26	5.24	3.19	3.99	1.19	3.60	3.14	3.21	3.66	2.09	2.09	2.04	0.17	0.16	2.26	1.71	0.61	0.88	1.53	2.35
rw96	4.70	4.75	4.79	4.81	4.83	4.80	4.82	4.87	5.84	5.88	5.57	5.62	4.97	4.88	4.91	4.87	4.82	5.11	4.34	3.43	3.57	3.90	4.15	3.87	3.95	3.79	3.83	3.86	3.84	56.09	53.61	52.78	47.69	52.71	52.21	52.58	73.30		58.37	43.64	3.95	4.02	4.01	3.96	3.95	3.99	3.96	3.94	3.95	3.94	3.55	3.97	4.01	4.07	3.96	4.00	4.00	4.03	4.02	3.67	3.52	3.53	2.52	2.50	2.55	2.52	2.60	2.62	2.53	2.71	2.48	2.70	2.73	2.51	2.48	2.60	2.55	2.47	2.55	2.53	2.53	2.54	2.46	2.51	2.48	2.51	2.47	2.53	2.53	2.23	2.60	2.57	2.86	2.60	5.18	4.39	4.32	2.56	3.23	0.92	2.97	2.58	2.65	2.96	1.65	1.67	1.64	0.10	0.09	1.77	1.40	0.46	0.66	1.25	1.92
ro23	5.35	5.45	5.46	5.47	5.49	5.47	5.47	5.42	6.45	6.50	6.41	6.28	5.53	5.49	5.49	5.56	5.43	5.68	4.85	3.82	4.01	4.40	4.67	4.21	4.28	4.18	4.21	4.25	4.24	61.79	60.90	60.99	57.32	65.59	65.20	66.07	65.05	66.48		48.71	4.35	4.43	4.45	4.38	4.47	4.41	4.41	4.41	4.46	4.34	3.89	4.38	4.37	4.48	4.34	4.39	4.41	4.38	4.37	4.05	3.91	3.92	2.75	2.81	2.83	2.87	2.88	3.01	2.88	3.11	2.78	2.94	2.99	2.84	2.85	2.83	2.83	2.80	2.85	2.86	2.85	2.85	2.77	2.82	2.86	2.85	2.85	2.86	2.87	2.51	2.96	2.89	3.24	2.93	6.00	5.03	4.81	2.90	3.59	1.08	3.35	2.91	2.95	3.32	1.94	1.83	1.83	0.12	0.11	2.01	1.60	0.48	0.75	1.43	2.18
ro22	6.42	6.57	6.57	6.59	6.66	6.55	6.60	6.67	7.40	7.38	7.21	7.21	6.60	6.65	6.56	6.57	6.55	6.60	5.78	4.61	4.88	5.31	5.57	5.17	5.25	5.14	5.15	5.17	5.19	54.78	53.75	52.47	48.36	53.15	53.17	54.00	56.09	56.99	55.75		5.01	5.05	5.10	4.97	5.05	5.02	5.04	5.04	5.04	5.00	4.39	5.01	5.01	5.14	5.07	5.05	5.08	5.02	5.02	4.52	4.46	4.47	3.30	3.36	3.38	3.43	3.41	3.51	3.44	3.77	3.43	3.62	3.65	3.45	3.46	3.46	3.43	3.48	3.51	3.46	3.38	3.47	3.32	3.40	3.32	3.43	3.31	3.45	3.50	3.04	3.51	3.57	3.84	3.47	6.94	6.16	5.97	3.81	4.36	1.37	4.03	3.55	3.58	4.19	2.43	2.30	2.31	0.23	0.23	2.49	2.04	0.72	1.05	1.78	2.74
r105	4.63	4.73	4.73	4.69	4.74	4.72	4.71	4.81	3.76	3.69	3.67	3.71	3.57	3.53	3.59	3.55	3.54	3.42	3.70	3.18	3.30	3.47	3.62	3.43	3.51	3.45	3.39	3.43	3.46	6.12	5.98	6.19	5.54	6.04	6.00	6.01	6.22	6.23	6.08	5.97		86.26	88.37	87.86	89.54	89.10	89.42	89.48	89.60	77.51	72.31	77.66	77.94	77.50	78.00	77.58	78.07	78.18	78.47	19.27	18.89	18.89	2.90	2.94	2.94	2.99	3.00	3.00	2.99	3.21	2.90	3.15	3.16	2.95	3.00	3.04	3.00	3.05	3.04	3.07	3.05	3.09	3.07	3.07	3.04	3.05	3.03	3.09	3.06	2.85	2.58	2.50	2.76	2.71	4.52	4.05	3.93	2.39	2.91	0.76	2.55	2.19	2.29	2.33	1.59	1.63	1.55	0.17	0.18	1.72	1.43	0.47	0.64	1.48	1.93
rey16	4.25	4.41	4.38	4.35	4.37	4.37	4.36	4.51	3.61	3.57	3.52	3.56	3.46	3.35	3.54	3.46	3.40	3.31	3.49	2.91	3.11	3.25	3.39	3.39	3.48	3.36	3.18	3.33	3.30	5.83	5.74	5.79	5.35	5.79	5.84	6.11	5.93	5.97	5.83	5.63	80.51		83.73	81.20	84.21	83.00	82.79	85.27	84.24	72.76	68.34	73.60	74.15	74.55	73.79	73.83	73.51	74.27	74.93	17.97	17.69	17.68	2.73	2.75	2.77	2.84	2.76	2.80	2.83	3.04	2.79	2.98	3.01	2.82	2.92	2.88	2.93	2.99	2.92	2.86	2.93	3.01	2.96	3.04	2.92	2.94	2.92	3.02	2.91	2.79	2.47	2.45	2.63	2.60	4.21	3.80	3.60	2.32	2.78	0.71	2.48	2.05	2.24	2.15	1.51	1.68	1.42	0.17	0.17	1.63	1.42	0.46	0.59	1.39	1.86
rey57	4.10	4.23	4.21	4.17	4.21	4.21	4.18	4.35	3.42	3.39	3.29	3.37	3.35	3.25	3.35	3.23	3.21	3.22	3.41	2.81	2.94	3.13	3.25	3.19	3.19	3.14	3.02	3.13	3.15	5.71	5.68	5.60	5.09	5.84	5.56	6.12	5.65	5.73	5.66	5.46	79.85	81.09		81.29	84.30	83.26	82.47	84.04	84.36	70.94	65.84	70.80	71.21	73.29	72.49	71.05	70.60	71.36	73.03	17.85	17.20	17.45	2.59	2.64	2.65	2.76	2.76	2.69	2.76	2.95	2.77	2.87	2.86	2.68	2.80	2.77	2.74	2.85	2.85	2.85	2.82	2.85	2.86	2.87	2.84	2.83	2.83	2.86	2.80	2.66	2.33	2.24	2.49	2.47	3.97	3.65	3.52	2.14	2.66	0.68	2.34	1.96	2.05	2.05	1.41	1.42	1.40	0.15	0.15	1.55	1.27	0.43	0.56	1.31	1.84
rey58	4.27	4.34	4.35	4.34	4.35	4.36	4.36	4.42	3.48	3.45	3.38	3.39	3.28	3.23	3.35	3.25	3.22	3.13	3.39	2.88	3.03	3.19	3.30	3.20	3.25	3.21	3.05	3.19	3.19	5.60	5.51	5.63	5.19	5.61	5.61	5.63	5.77	5.82	5.65	5.47	80.32	79.60	82.29		82.26	82.53	81.56	83.42	82.31	74.01	69.42	74.37	75.66	75.74	77.49	75.50	74.41	75.89	77.27	17.95	17.27	17.82	2.66	2.66	2.68	2.77	2.77	2.68	2.80	2.97	2.82	2.94	2.97	2.72	2.84	2.74	2.77	2.90	2.88	2.86	2.95	2.95	2.90	3.27	2.83	2.95	2.83	3.02	2.87	2.85	2.36	2.34	2.60	2.48	4.13	3.75	3.60	2.20	2.64	0.69	2.36	1.95	2.10	2.12	1.47	1.55	1.42	0.16	0.16	1.59	1.36	0.46	0.58	1.36	1.78
r60	4.05	4.25	4.24	4.13	4.18	4.14	4.14	4.23	3.40	3.36	3.32	3.35	3.26	3.18	3.30	3.25	3.21	3.17	3.25	2.76	2.89	3.00	3.18	3.08	3.10	3.09	3.00	3.06	3.06	5.30	5.24	5.35	4.89	5.33	5.36	5.53	5.37	5.42	5.39	5.26	78.26	78.97	81.58	78.58		80.14	80.70	81.09	99.81	68.67	65.04	68.92	68.82	71.08	70.30	69.63	69.05	69.06	72.06	17.28	16.93	17.44	2.54	2.54	2.56	2.62	2.62	2.57	2.65	2.88	2.67	2.77	2.79	2.61	2.76	2.66	2.60	2.83	2.75	2.75	2.76	2.86	2.84	2.86	2.81	2.77	2.81	2.85	2.75	2.63	2.32	2.28	2.48	2.44	3.99	3.62	3.41	2.12	2.59	0.67	2.34	1.94	2.09	2.07	1.37	1.43	1.37	0.14	0.13	1.55	1.29	0.42	0.53	1.29	1.79
rey98	4.33	4.44	4.40	4.37	4.44	4.40	4.39	4.45	3.64	3.55	3.53	3.56	3.42	3.43	3.46	3.40	3.38	3.25	3.47	2.97	3.12	3.30	3.44	3.27	3.26	3.27	3.17	3.25	3.30	5.70	5.55	5.71	5.13	5.63	5.67	5.70	5.78	5.84	5.70	5.50	79.35	79.33	82.62	80.93	82.07		82.07	82.55	82.12	69.08	64.78	69.51	69.76	70.54	71.26	69.85	69.61	69.97	70.79	17.75	17.44	17.39	2.77	2.75	2.72	2.79	2.83	2.83	2.87	3.00	2.84	3.04	3.03	2.76	2.94	2.88	2.86	2.98	2.96	2.96	2.85	2.91	2.92	2.95	2.93	2.84	2.92	3.00	2.93	2.77	2.53	2.53	2.68	2.66	4.14	3.79	3.72	2.33	2.80	0.77	2.41	2.12	2.18	2.21	1.58	1.59	1.54	0.23	0.23	1.64	1.38	0.55	0.69	1.45	1.87
rq27	4.49	4.71	4.74	4.58	4.61	4.59	4.59	4.62	3.59	3.56	3.52	3.53	3.46	3.44	3.50	3.43	3.40	3.33	3.49	3.08	3.22	3.36	3.50	3.26	3.35	3.27	3.20	3.28	3.28	5.93	5.74	5.87	5.30	5.87	5.85	5.86	5.95	5.98	5.94	5.72	85.76	85.07	87.61	85.59	88.68	88.70		88.06	88.74	75.22	70.91	75.35	75.93	78.45	76.45	76.41	75.81	76.24	77.47	19.11	18.82	19.31	2.71	2.79	2.81	2.83	2.83	2.86	2.82	3.03	2.85	3.01	3.00	2.78	2.82	2.84	2.86	2.94	2.92	2.95	2.95	2.93	2.92	2.93	2.91	2.93	2.90	2.95	2.91	2.68	2.49	2.42	2.65	2.56	4.34	3.80	3.70	2.30	2.90	0.75	2.46	2.06	2.15	2.22	1.51	1.52	1.45	0.16	0.16	1.61	1.38	0.48	0.59	1.42	1.86
rq89	3.97	4.03	4.05	4.01	4.04	4.01	4.03	4.10	3.21	3.20	3.13	3.17	3.18	3.10	3.40	3.16	3.16	3.05	3.18	2.64	2.81	2.94	3.08	3.06	3.11	3.07	2.88	3.06	3.02	5.26	5.15	5.29	4.91	5.24	5.24	5.45	5.33	5.38	5.31	5.08	75.72	77.36	78.80	77.15	78.56	78.22	77.68		78.59	66.25	62.32	66.59	66.61	69.65	67.90	67.20	66.21	66.82	68.99	16.41	15.97	16.11	2.54	2.52	2.54	2.76	2.75	2.54	2.79	3.00	2.89	2.72	2.74	2.53	2.81	2.60	2.59	3.03	2.94	2.93	2.90	2.97	3.06	3.17	2.84	3.08	2.84	3.17	2.74	2.86	2.20	2.18	2.38	2.37	3.82	3.47	3.35	2.01	2.51	0.67	2.27	1.88	1.98	1.98	1.36	1.54	1.31	0.15	0.15	1.48	1.29	0.42	0.57	1.25	1.81
rq90	4.06	4.27	4.26	4.12	4.21	4.16	4.14	4.22	3.32	3.28	3.25	3.28	3.24	3.15	3.28	3.22	3.20	3.11	3.24	2.75	2.89	3.06	3.23	3.12	3.14	3.12	3.04	3.09	3.11	5.33	5.26	5.41	4.95	5.38	5.40	5.57	5.45	5.51	5.48	5.24	78.25	78.87	81.57	78.57	99.72	80.08	80.69	81.02		68.68	65.00	68.90	68.81	71.03	70.30	69.66	69.04	69.06	72.06	17.25	16.93	17.40	2.54	2.58	2.59	2.66	2.66	2.60	2.68	2.89	2.63	2.78	2.79	2.57	2.72	2.65	2.61	2.85	2.77	2.75	2.76	2.82	2.84	2.86	2.81	2.78	2.81	2.85	2.76	2.63	2.37	2.27	2.48	2.48	3.95	3.63	3.45	2.10	2.58	0.67	2.32	1.94	2.06	2.05	1.38	1.45	1.36	0.14	0.14	1.55	1.29	0.42	0.54	1.30	1.82
r107	4.57	4.65	4.65	4.66	4.69	4.68	4.68	4.84	3.70	3.69	3.72	3.69	3.54	3.61	3.63	3.64	3.59	3.42	3.57	3.09	3.20	3.40	3.54	3.26	3.32	3.32	3.29	3.23	3.29	5.96	5.78	5.95	5.39	6.00	5.97	5.99	6.14	6.20	6.07	6.03	78.04	78.53	79.08	81.52	79.22	78.42	78.96	78.88	79.26		82.83	90.93	89.15	89.60	89.79	90.05	90.31	89.44	90.23	20.07	19.93	19.75	2.87	2.86	2.86	2.88	2.86	2.91	2.86	3.19	2.88	3.08	3.08	2.91	2.96	2.94	2.93	3.03	3.06	3.05	3.05	3.03	2.95	3.05	3.02	3.02	3.02	3.03	3.02	2.85	2.56	2.50	2.70	2.68	4.47	4.02	3.78	2.42	2.88	0.74	2.53	2.16	2.27	2.32	1.60	1.55	1.54	0.19	0.18	1.74	1.43	0.49	0.63	1.48	1.95
r40	4.33	4.39	4.38	4.40	4.41	4.40	4.41	4.38	3.53	3.49	3.51	3.52	3.35	3.34	3.37	3.39	3.33	3.18	3.41	2.88	2.96	3.17	3.29	3.01	3.11	3.02	3.03	2.98	3.06	5.68	5.62	5.70	5.15	5.73	5.70	5.72	5.83	5.85	5.78	5.59	76.23	77.41	76.90	80.11	78.48	76.95	77.91	77.67	78.52	86.83		88.10	87.98	89.29	88.82	87.43	87.48	88.01	89.16	18.66	18.70	18.84	2.66	2.67	2.71	2.68	2.66	2.71	2.68	2.87	2.68	2.85	2.85	2.69	2.75	2.72	2.71	2.75	2.78	2.79	2.80	2.81	2.79	2.79	2.75	2.73	2.74	2.74	2.78	2.74	2.31	2.26	2.56	2.46	4.21	3.67	3.53	2.15	2.67	0.66	2.38	1.97	2.05	2.07	1.40	1.36	1.39	0.14	0.14	1.56	1.28	0.41	0.53	1.35	1.79
rey15	4.68	4.78	4.78	4.75	4.81	4.78	4.76	4.91	3.85	3.81	3.85	3.84	3.65	3.73	3.73	3.73	3.68	3.43	3.74	3.22	3.34	3.51	3.65	3.44	3.35	3.44	3.43	3.36	3.45	6.07	5.73	6.10	5.34	5.99	5.98	6.01	6.20	6.32	6.18	6.03	75.71	77.05	76.53	79.54	77.16	76.50	76.64	76.96	77.17	88.03	81.07		87.54	87.65	86.88	87.89	88.20	87.69	88.65	19.14	19.69	18.84	2.96	2.97	2.92	3.00	3.01	3.06	3.09	3.23	3.03	3.25	3.17	3.05	3.08	3.10	3.06	3.18	3.18	3.19	3.14	3.10	3.07	3.11	3.03	3.13	3.03	3.18	3.13	3.00	2.68	2.64	2.84	2.87	4.51	4.15	3.95	2.56	3.05	0.86	2.65	2.33	2.41	2.45	1.73	1.67	1.71	0.32	0.32	1.88	1.56	0.68	0.80	1.68	2.07
rey17	4.86	4.92	4.91	4.90	4.95	4.97	4.92	5.01	4.02	3.96	3.92	3.93	3.85	3.82	3.90	3.84	3.76	3.59	3.80	3.31	3.41	3.67	3.83	3.56	3.54	3.59	3.50	3.50	3.60	6.36	6.08	6.42	5.60	6.31	6.32	6.36	6.53	6.62	6.40	6.23	78.59	80.17	79.61	83.63	79.60	79.13	79.89	79.50	79.61	89.44	83.95	90.62		90.18	89.34	91.54	91.63	99.70	99.23	19.75	19.49	19.72	3.04	3.06	3.00	3.08	3.12	3.14	3.08	3.36	3.14	3.38	3.31	3.06	3.14	3.20	3.18	3.21	3.26	3.26	3.20	3.17	3.11	3.18	3.13	3.18	3.13	3.20	3.19	3.03	2.76	2.67	2.91	2.94	4.61	4.20	4.04	2.59	3.11	0.86	2.76	2.40	2.53	2.53	1.74	1.78	1.74	0.30	0.30	1.91	1.56	0.64	0.76	1.69	2.13
rey18	4.37	4.58	4.62	4.40	4.44	4.40	4.40	4.48	3.58	3.54	3.58	3.58	3.49	3.47	3.57	3.51	3.44	3.31	3.58	2.98	3.13	3.28	3.42	3.20	3.14	3.22	3.19	3.15	3.25	5.72	5.44	5.73	5.07	5.74	5.79	5.99	5.88	5.99	5.84	5.68	68.44	70.58	71.80	73.44	72.07	69.88	72.27	72.69	72.11	78.44	74.50	79.17	78.61		82.24	80.06	78.40	78.90	81.74	17.88	17.72	18.15	2.82	2.77	2.73	2.90	2.90	2.86	2.92	3.09	2.93	3.02	2.95	2.79	2.98	2.91	2.85	3.06	3.06	3.07	3.02	3.01	2.97	3.02	2.91	2.98	2.90	3.07	2.95	2.95	2.48	2.43	2.64	2.68	4.15	3.83	3.67	2.37	2.81	0.82	2.52	2.11	2.26	2.28	1.63	1.55	1.55	0.30	0.31	1.76	1.51	0.61	0.73	1.51	2.00
rey19	4.46	4.56	4.54	4.51	4.58	4.56	4.52	4.59	3.56	3.56	3.55	3.53	3.39	3.42	3.43	3.44	3.38	3.26	3.49	3.00	3.14	3.34	3.41	3.20	3.25	3.22	3.21	3.18	3.26	5.80	5.66	5.82	5.27	5.81	5.77	5.79	5.92	5.99	5.88	5.84	75.28	76.29	77.52	81.75	77.71	76.96	76.91	77.34	77.75	86.14	81.23	86.01	85.37	89.76		85.47	85.57	85.56	86.67	19.65	19.20	19.34	2.76	2.81	2.81	2.83	2.80	2.86	2.85	3.08	2.81	3.03	3.02	2.83	2.89	2.88	2.91	2.95	2.95	2.96	2.95	2.96	2.91	3.17	2.89	2.98	2.89	3.02	2.90	2.84	2.45	2.41	2.67	2.68	4.28	3.84	3.67	2.32	2.81	0.71	2.45	2.07	2.21	2.28	1.51	1.46	1.47	0.17	0.17	1.70	1.40	0.49	0.59	1.49	1.88
rey59	4.48	4.57	4.53	4.56	4.58	4.57	4.57	4.71	3.77	3.72	3.73	3.73	3.56	3.60	3.61	3.64	3.55	3.37	3.64	3.15	3.24	3.46	3.60	3.30	3.23	3.33	3.33	3.24	3.34	6.00	5.63	5.97	5.24	5.91	5.93	5.94	6.09	6.23	6.06	5.92	72.96	74.33	74.01	77.71	74.89	73.98	74.89	74.73	74.93	84.08	77.59	84.70	85.19	84.95	83.23		84.89	85.48	86.81	18.94	18.64	18.52	2.93	2.90	2.85	2.94	2.93	2.99	2.94	3.17	3.02	3.11	3.10	2.91	2.99	3.02	2.98	3.08	3.10	3.12	3.04	3.05	2.98	3.03	2.96	3.02	2.96	3.14	3.06	2.92	2.62	2.55	2.74	2.75	4.29	4.00	3.83	2.47	2.95	0.86	2.55	2.21	2.36	2.37	1.68	1.60	1.65	0.31	0.32	1.83	1.52	0.66	0.77	1.62	2.06
rey99	4.87	4.93	4.93	4.91	4.96	4.97	4.93	5.02	4.00	3.95	4.00	4.00	3.74	3.82	3.81	3.83	3.77	3.55	3.83	3.30	3.43	3.66	3.77	3.45	3.43	3.46	3.50	3.40	3.49	6.31	5.97	6.36	5.63	6.30	6.39	6.42	6.48	6.61	6.46	6.31	78.27	79.00	78.46	81.73	79.41	78.76	79.29	78.58	79.42	89.97	82.96	90.77	91.11	89.35	88.89	90.65		91.25	91.72	19.77	20.02	19.82	3.06	3.11	3.06	3.12	3.12	3.17	3.12	3.36	3.11	3.38	3.30	3.05	3.15	3.15	3.13	3.22	3.29	3.27	3.19	3.15	3.09	3.16	3.10	3.17	3.09	3.23	3.19	3.05	2.81	2.76	2.94	2.95	4.59	4.21	4.07	2.65	3.15	0.90	2.73	2.37	2.46	2.60	1.75	1.71	1.73	0.35	0.35	1.96	1.61	0.68	0.81	1.72	2.16
ro84	4.60	4.68	4.65	4.67	4.69	4.71	4.68	4.76	3.73	3.68	3.65	3.66	3.59	3.55	3.64	3.58	3.52	3.39	3.58	3.11	3.20	3.42	3.60	3.36	3.42	3.38	3.29	3.32	3.38	6.16	6.03	6.22	5.52	6.15	6.11	6.13	6.34	6.42	6.15	5.99	78.17	79.70	79.09	83.16	79.11	78.65	79.44	79.01	79.15	88.81	83.31	89.98	98.99	89.56	88.70	90.95	90.99		98.67	19.65	19.31	19.48	2.84	2.85	2.83	2.85	2.85	2.88	2.85	3.07	2.94	3.14	3.11	2.88	2.95	2.99	2.98	2.98	3.04	3.03	3.02	2.99	2.96	3.00	2.99	2.97	2.99	3.01	3.00	2.81	2.51	2.48	2.70	2.68	4.43	3.98	3.88	2.37	2.89	0.72	2.56	2.16	2.28	2.29	1.54	1.58	1.54	0.17	0.18	1.74	1.40	0.48	0.61	1.50	1.94
rrh30	4.27	4.32	4.30	4.30	4.33	4.35	4.32	4.35	3.49	3.47	3.42	3.45	3.43	3.29	3.46	3.36	3.30	3.23	3.33	2.82	2.93	3.16	3.31	3.14	3.16	3.15	3.03	3.09	3.16	5.61	5.53	5.66	5.06	5.70	5.63	5.85	5.77	5.78	5.59	5.50	72.13	73.67	74.43	77.66	75.95	72.72	74.34	74.96	76.00	82.41	77.47	83.61	90.22	85.19	82.67	84.95	84.00	90.62		18.25	18.36	18.18	2.64	2.65	2.62	2.71	2.73	2.65	2.80	2.93	2.78	2.91	2.89	2.72	2.81	2.76	2.75	2.82	2.88	2.85	2.82	2.82	2.81	2.84	2.81	2.79	2.81	2.82	2.78	2.83	2.30	2.25	2.43	2.46	4.09	3.67	3.49	2.16	2.62	0.67	2.42	1.94	2.14	2.14	1.43	1.48	1.40	0.16	0.16	1.56	1.30	0.43	0.54	1.42	1.85
r108	3.79	3.87	3.87	3.85	3.91	3.87	3.85	4.36	3.40	3.35	3.32	3.32	3.07	3.01	3.09	3.01	3.01	2.91	3.13	2.65	2.74	2.98	3.04	2.91	2.93	2.87	2.80	2.87	2.88	5.25	5.16	5.19	4.66	5.17	5.22	5.17	5.32	5.38	5.34	5.04	18.14	18.12	18.53	18.38	18.45	18.38	18.54	18.15	18.46	18.62	16.76	18.17	18.23	18.63	19.08	18.51	18.25	18.39	18.62		79.85	84.08	2.35	2.37	2.31	2.35	2.42	2.37	2.36	2.58	2.42	2.60	2.61	2.49	2.56	2.56	2.55	2.46	2.44	2.47	2.45	2.42	2.42	2.45	2.43	2.42	2.42	2.46	2.49	2.35	1.97	2.00	2.22	2.22	3.75	3.65	3.36	2.15	2.49	0.67	2.17	1.86	2.01	2.00	1.39	1.38	1.32	0.17	0.17	1.44	1.29	0.40	0.59	1.26	1.60
r113	4.12	4.20	4.21	4.20	4.23	4.25	4.19	4.52	3.38	3.34	3.39	3.37	3.08	3.08	3.11	3.11	3.09	3.06	3.25	2.73	2.83	3.07	3.13	2.93	2.94	2.87	2.87	2.87	2.88	5.27	5.13	5.23	4.64	5.20	5.17	5.19	5.29	5.39	5.33	5.17	18.64	18.60	18.61	18.50	18.95	18.86	19.20	18.62	18.95	19.35	17.48	19.63	18.84	19.51	19.49	19.21	19.32	18.97	19.58	83.97		85.97	2.51	2.51	2.47	2.52	2.53	2.52	2.59	2.68	2.43	2.61	2.62	2.58	2.58	2.55	2.52	2.55	2.52	2.54	2.55	2.51	2.53	2.56	2.55	2.51	2.54	2.48	2.58	2.45	2.10	2.12	2.33	2.31	3.80	3.76	3.47	2.19	2.57	0.66	2.24	1.95	2.02	2.04	1.41	1.34	1.37	0.18	0.18	1.48	1.32	0.41	0.60	1.30	1.76
rrh92	3.86	3.98	3.93	3.95	3.96	3.98	3.93	4.38	3.21	3.19	3.21	3.20	2.91	2.92	2.95	2.94	2.94	2.91	3.06	2.68	2.77	2.94	2.96	2.79	2.80	2.75	2.77	2.75	2.79	4.96	4.85	4.88	4.53	4.98	4.95	5.00	5.04	5.10	5.06	4.93	17.61	17.60	18.00	18.07	18.50	17.87	18.59	17.71	18.50	18.13	16.69	17.70	17.99	18.73	18.52	17.96	18.09	18.04	18.30	84.22	81.87		2.32	2.37	2.34	2.36	2.37	2.36	2.37	2.55	2.34	2.50	2.52	2.43	2.49	2.45	2.42	2.43	2.46	2.45	2.46	2.42	2.41	2.44	2.43	2.41	2.42	2.40	2.52	2.38	1.95	1.97	2.17	2.14	3.71	3.65	3.26	2.08	2.44	0.64	2.10	1.85	1.91	1.89	1.31	1.27	1.29	0.17	0.18	1.37	1.29	0.37	0.57	1.27	1.70
rf61	3.26	3.33	3.38	3.31	3.34	3.35	3.30	3.40	3.23	3.22	3.24	3.23	2.91	2.89	2.97	2.94	2.91	2.89	2.96	2.45	2.59	2.77	2.88	2.75	2.79	2.74	2.75	2.72	2.74	4.15	4.00	4.15	3.61	4.02	3.97	3.98	4.21	4.16	4.16	4.13	3.08	3.13	3.09	3.14	3.06	3.16	3.04	3.13	3.05	3.08	2.66	3.07	3.06	3.12	3.07	3.13	3.09	3.06	3.08	2.73	2.71	2.71		66.20	64.70	70.60	69.59	70.64	71.25	10.99	7.81	7.66	11.24	7.71	9.00	8.36	9.95	7.84	8.00	7.84	11.26	11.86	7.79	7.99	10.70	8.10	10.76	11.44	11.09	8.06	3.45	3.50	4.00	4.06	3.42	3.29	3.24	2.34	2.57	0.83	2.50	2.34	2.22	2.43	1.79	1.57	1.65	0.17	0.17	1.99	1.57	0.58	0.73	1.44	1.59
r35	3.51	3.59	3.64	3.61	3.67	3.60	3.61	3.66	3.54	3.54	3.56	3.56	3.24	3.26	3.30	3.30	3.27	3.23	3.24	2.83	2.89	3.03	3.25	3.04	3.10	3.01	3.01	2.98	3.02	4.35	4.20	4.31	3.91	4.37	4.36	4.36	4.46	4.46	4.42	4.43	3.42	3.40	3.43	3.38	3.40	3.41	3.41	3.42	3.39	3.33	2.96	3.36	3.34	3.40	3.36	3.36	3.35	3.35	3.35	2.98	2.98	2.99	70.28		84.74	87.78	82.83	89.38	87.20	8.80	7.73	8.26	8.16	7.96	8.06	7.89	7.80	7.93	7.99	8.08	8.20	8.32	7.90	8.07	8.02	8.00	8.01	8.07	8.15	7.20	3.95	3.94	4.33	4.31	3.64	3.55	3.61	2.48	2.93	0.87	2.60	2.47	2.36	2.67	1.96	1.77	1.79	0.17	0.16	2.14	1.74	0.58	0.83	1.53	1.74
r36	3.53	3.60	3.66	3.62	3.70	3.62	3.63	3.62	3.50	3.50	3.51	3.48	3.18	3.16	3.19	3.20	3.19	3.15	3.16	2.81	2.86	3.00	3.21	2.98	3.03	2.97	3.00	2.93	2.98	4.47	4.31	4.43	3.90	4.42	4.39	4.40	4.51	4.54	4.48	4.49	3.34	3.35	3.40	3.33	3.37	3.35	3.39	3.41	3.36	3.22	2.91	3.30	3.26	3.35	3.31	3.30	3.28	3.26	3.26	2.82	2.83	2.85	68.28	84.40		82.14	78.88	84.38	82.46	8.65	7.79	8.23	8.41	8.00	8.12	8.07	7.80	7.96	8.12	8.25	8.33	8.39	7.98	8.08	8.07	8.06	8.07	8.16	8.40	7.27	3.98	3.98	4.33	4.38	3.60	3.52	3.58	2.52	2.95	0.88	2.60	2.46	2.39	2.71	1.98	1.77	1.81	0.15	0.16	2.16	1.67	0.57	0.80	1.58	1.77
rf64	3.31	3.43	3.41	3.40	3.42	3.42	3.40	3.47	3.29	3.28	3.30	3.29	3.00	3.00	3.06	3.05	3.03	3.00	3.05	2.68	2.77	2.86	3.01	2.82	2.91	2.82	2.83	2.80	2.86	4.15	3.97	4.12	3.66	4.13	4.10	4.11	4.19	4.22	4.22	4.26	3.22	3.21	3.30	3.27	3.27	3.22	3.20	3.50	3.26	3.10	2.73	3.13	3.11	3.27	3.14	3.16	3.14	3.12	3.18	2.76	2.77	2.77	69.82	82.04	77.03		81.11	84.63	87.03	12.86	7.66	7.88	10.67	7.65	8.45	8.42	10.57	7.72	7.84	7.82	11.23	11.81	7.74	7.90	10.91	7.88	10.99	11.10	11.67	8.11	3.73	3.75	4.15	4.19	3.45	3.38	3.35	2.33	2.78	0.84	2.52	2.37	2.28	2.55	1.86	1.70	1.71	0.18	0.18	2.06	1.60	0.59	0.79	1.47	1.93
rf65	3.34	3.44	3.43	3.41	3.44	3.40	3.41	3.47	3.33	3.32	3.27	3.26	3.06	3.03	3.12	3.06	3.05	2.99	3.12	2.64	2.72	2.83	3.01	2.88	2.96	2.88	2.85	2.88	2.91	4.22	4.06	4.19	3.70	4.18	4.11	4.14	4.31	4.31	4.24	4.20	3.21	3.13	3.27	3.26	3.22	3.19	3.16	3.46	3.22	3.04	2.67	3.09	3.08	3.19	3.05	3.11	3.05	3.09	3.15	2.83	2.78	2.81	69.15	77.54	74.09	81.29		81.43	81.63	11.32	7.60	7.77	11.04	7.75	8.22	8.57	10.04	7.59	7.81	7.84	11.68	11.17	7.61	7.85	10.43	7.96	10.49	11.24	10.83	7.98	3.74	3.73	4.15	4.10	3.43	3.31	3.33	2.36	2.79	0.84	2.46	2.35	2.26	2.49	1.85	1.77	1.70	0.18	0.18	2.07	1.65	0.60	0.81	1.47	1.86
rf69	3.18	3.23	3.30	3.26	3.33	3.27	3.26	3.31	3.20	3.19	3.19	3.19	2.86	2.89	2.91	2.90	2.88	2.86	2.96	2.47	2.57	2.74	2.89	2.71	2.76	2.68	2.69	2.66	2.71	4.07	3.95	4.07	3.62	4.07	4.06	4.07	4.19	4.21	4.26	4.12	3.05	3.01	3.06	3.01	3.02	3.04	3.04	3.03	3.01	2.91	2.61	2.98	2.93	3.02	2.98	3.00	2.95	2.93	2.92	2.63	2.63	2.63	66.66	79.68	75.50	80.75	77.53		82.39	10.24	7.02	7.46	10.56	7.30	7.45	7.76	9.54	7.14	7.23	7.29	10.64	10.04	7.11	7.23	9.64	7.26	9.72	10.10	9.98	7.42	3.54	3.51	3.92	3.93	3.23	3.17	3.20	2.21	2.67	0.81	2.33	2.23	2.09	2.42	1.74	1.57	1.58	0.16	0.16	1.91	1.55	0.56	0.71	1.40	1.53
rf70	3.26	3.33	3.36	3.33	3.39	3.33	3.33	3.40	3.22	3.20	3.20	3.22	2.96	2.95	3.02	2.99	2.97	2.92	2.98	2.50	2.62	2.78	2.91	2.77	2.84	2.77	2.75	2.73	2.76	4.02	3.89	3.98	3.61	4.02	4.01	4.02	4.04	4.05	4.11	4.15	3.08	3.15	3.18	3.25	3.14	3.16	3.06	3.45	3.12	2.96	2.62	3.11	3.00	3.15	3.04	3.04	3.01	3.00	3.15	2.65	2.75	2.68	68.98	79.58	75.49	85.05	79.62	84.52		10.72	7.75	7.53	10.94	7.83	8.35	8.21	9.77	7.96	8.40	8.25	11.39	11.28	7.95	8.23	10.53	8.10	10.59	11.20	10.89	8.22	3.66	3.72	4.02	4.09	3.38	3.24	3.28	2.29	2.70	0.82	2.48	2.33	2.23	2.49	1.83	1.61	1.64	0.15	0.15	1.98	1.54	0.54	0.74	1.40	1.88
rf75	3.60	3.64	3.66	3.62	3.67	3.69	3.62	3.87	3.76	3.73	3.76	3.74	3.50	3.50	3.56	3.57	3.52	3.38	3.46	2.83	2.97	3.18	3.37	3.20	3.31	3.19	3.18	3.19	3.19	4.37	4.21	4.30	3.89	4.28	4.30	4.33	4.31	4.33	4.42	4.55	3.32	3.40	3.37	3.40	3.46	3.32	3.33	3.66	3.46	3.28	2.89	3.24	3.28	3.32	3.31	3.29	3.27	3.28	3.33	2.86	2.85	2.83	10.53	7.97	7.77	12.60	11.07	10.55	10.78		52.15	52.69	55.84	41.00	41.08	41.34	42.95	28.89	28.86	29.26	33.58	33.32	28.94	29.43	32.64	28.98	32.69	32.65	32.49	34.15	4.16	4.13	4.70	4.63	4.04	3.63	3.60	2.60	2.81	0.98	2.99	2.76	2.64	2.96	1.99	1.95	1.86	0.14	0.14	2.46	1.80	0.55	0.78	1.56	2.20
r110	3.79	3.88	3.87	3.89	3.87	3.89	3.90	3.95	3.86	3.89	3.87	3.86	3.57	3.64	3.67	3.63	3.63	3.42	3.39	2.89	3.03	3.28	3.39	3.32	3.37	3.28	3.21	3.25	3.26	4.25	4.18	4.24	3.99	4.31	4.27	4.31	4.47	4.49	4.36	4.54	3.35	3.46	3.48	3.54	3.52	3.45	3.42	3.88	3.51	3.32	2.98	3.29	3.37	3.50	3.39	3.40	3.36	3.37	3.45	2.93	2.88	2.91	8.34	7.81	7.80	8.28	8.21	7.99	8.59	57.97		56.12	56.95	39.58	39.96	39.60	39.31	29.91	29.74	29.93	28.95	29.48	30.15	29.95	28.95	29.10	28.93	29.11	29.13	35.23	4.18	4.32	4.62	4.49	4.21	3.71	3.58	2.72	2.85	0.91	3.02	2.78	2.77	3.00	2.02	1.87	1.93	0.15	0.14	2.47	1.92	0.58	0.86	1.52	2.23
r114	4.29	4.34	4.36	4.35	4.38	4.35	4.36	4.52	4.48	4.56	4.50	4.45	4.26	4.23	4.38	4.32	4.23	4.03	3.99	3.31	3.51	3.77	3.94	3.77	3.76	3.80	3.80	3.74	3.78	5.14	4.79	5.13	4.49	4.96	5.07	5.09	5.07	5.14	5.04	5.14	3.92	3.97	3.94	3.98	3.96	3.97	3.93	3.97	3.96	3.88	3.30	3.87	3.97	3.90	3.93	3.83	3.86	3.96	3.98	3.52	3.34	3.35	8.47	8.86	8.63	8.87	8.86	8.96	8.76	59.73	57.11		86.60	44.23	43.38	43.73	43.41	31.07	31.08	31.86	31.86	31.25	30.70	30.72	31.56	31.28	31.55	31.12	31.06	34.92	4.80	4.95	5.55	5.42	4.71	4.23	4.18	3.22	3.50	1.25	3.56	3.29	3.29	3.63	2.41	2.37	2.30	0.32	0.31	2.90	2.14	0.84	1.12	1.83	2.39
rf72	3.81	3.82	3.89	3.85	3.86	3.86	3.86	3.99	3.95	3.96	3.97	3.93	3.70	3.69	3.75	3.73	3.71	3.66	3.44	2.83	3.02	3.25	3.41	3.30	3.41	3.31	3.28	3.31	3.30	4.60	4.47	4.58	4.10	4.53	4.55	4.56	4.61	4.61	4.52	4.70	3.45	3.53	3.46	3.52	3.48	3.49	3.47	3.53	3.47	3.36	2.97	3.33	3.42	3.43	3.43	3.34	3.32	3.43	3.42	3.06	2.96	2.96	11.45	7.98	8.01	11.04	11.39	11.54	11.55	58.92	53.90	80.62		41.47	41.08	41.87	43.41	29.14	29.68	30.27	34.05	32.59	28.99	29.05	32.48	29.33	32.53	32.37	32.39	32.99	4.31	4.41	5.00	4.92	4.23	3.80	3.61	2.79	3.11	0.99	3.19	2.87	2.94	3.17	2.12	2.02	2.01	0.16	0.15	2.51	1.80	0.59	0.82	1.53	1.99
rf63	3.46	3.49	3.47	3.49	3.54	3.46	3.48	3.66	3.42	3.41	3.44	3.43	3.25	3.28	3.33	3.34	3.30	3.11	3.22	2.71	2.83	2.93	3.12	2.89	2.94	2.87	2.91	2.86	2.83	4.08	4.02	4.10	3.76	4.19	4.19	4.17	4.20	4.22	4.21	4.26	3.18	3.23	3.16	3.22	3.18	3.16	3.17	3.26	3.17	3.14	2.76	3.21	3.14	3.16	3.15	3.14	3.13	3.14	3.20	2.85	2.87	2.81	7.88	7.62	7.60	7.84	7.94	7.89	8.16	42.50	36.89	40.33	40.79		82.66	75.32	73.24	30.93	31.26	32.59	33.61	32.44	31.33	31.34	31.61	31.02	31.61	31.51	31.40	35.30	3.92	3.97	4.61	4.28	3.85	3.46	3.35	2.44	2.71	0.86	2.84	2.57	2.63	2.81	1.96	1.73	1.88	0.15	0.14	2.27	1.62	0.62	0.76	1.46	1.76
rf73	3.45	3.53	3.48	3.49	3.54	3.48	3.48	3.57	3.42	3.40	3.41	3.42	3.18	3.22	3.28	3.25	3.22	3.08	3.16	2.69	2.79	2.89	3.08	2.94	2.98	2.91	2.89	2.92	2.89	4.11	4.03	4.10	3.85	4.20	4.19	4.21	4.11	4.15	4.21	4.23	3.18	3.31	3.25	3.34	3.30	3.28	3.16	3.56	3.29	3.16	2.75	3.13	3.18	3.26	3.16	3.14	3.15	3.20	3.29	2.83	2.79	2.82	8.97	7.44	7.46	8.51	8.14	7.79	8.41	41.51	36.37	38.44	39.30	80.50		72.70	70.76	31.13	31.79	31.75	33.15	33.26	31.39	31.10	31.58	31.14	31.58	31.98	33.39	35.15	3.84	3.95	4.53	4.35	3.75	3.34	3.26	2.48	2.61	0.88	2.80	2.47	2.67	2.77	1.95	1.77	1.86	0.16	0.16	2.27	1.62	0.58	0.78	1.44	2.01
rf74	3.49	3.53	3.52	3.53	3.53	3.53	3.53	3.71	3.51	3.49	3.51	3.48	3.28	3.28	3.33	3.32	3.25	3.17	3.17	2.74	2.89	3.00	3.12	3.03	3.12	3.01	2.99	3.01	3.01	4.27	4.13	4.25	3.85	4.30	4.29	4.29	4.35	4.39	4.22	4.28	3.26	3.30	3.28	3.26	3.27	3.29	3.25	3.31	3.27	3.20	2.79	3.21	3.26	3.25	3.24	3.21	3.20	3.26	3.28	2.97	2.84	2.85	8.41	7.53	7.60	8.54	8.74	8.29	8.44	42.55	36.54	39.52	40.80	74.69	74.15		75.09	30.80	31.13	31.29	32.53	32.89	31.04	31.27	31.50	31.28	31.49	32.09	32.13	34.29	3.95	3.98	4.54	4.37	3.82	3.42	3.29	2.54	2.74	0.92	2.90	2.52	2.71	2.80	1.98	1.86	1.91	0.17	0.15	2.35	1.67	0.58	0.75	1.43	1.91
rf81	3.42	3.44	3.48	3.47	3.52	3.45	3.46	3.53	3.42	3.39	3.39	3.38	3.14	3.13	3.20	3.18	3.13	3.06	3.20	2.63	2.73	2.87	3.01	2.92	3.00	2.89	2.91	2.92	2.90	4.13	3.99	4.08	3.71	4.12	4.11	4.10	4.22	4.25	4.17	4.20	3.12	3.25	3.16	3.21	3.12	3.15	3.15	3.22	3.11	3.12	2.73	3.09	3.13	3.15	3.19	3.09	3.09	3.13	3.13	2.86	2.70	2.70	9.78	7.19	7.15	10.45	9.89	9.94	9.94	43.53	35.72	38.70	41.77	71.74	71.28	74.10		30.55	30.59	30.99	34.46	35.04	30.60	30.41	33.79	30.99	33.86	33.64	34.12	33.88	3.91	3.90	4.55	4.28	3.67	3.36	3.25	2.43	2.64	0.89	2.77	2.52	2.63	2.72	1.94	1.81	1.82	0.14	0.13	2.26	1.60	0.58	0.75	1.45	1.76
r112	4.25	4.35	4.33	4.34	4.36	4.33	4.34	4.27	4.31	4.26	4.29	4.31	3.92	4.00	4.05	4.07	4.05	3.74	3.96	3.52	3.66	3.80	3.99	3.94	3.88	3.91	3.88	3.88	3.91	5.03	4.72	4.99	4.40	4.88	4.98	5.06	4.93	4.98	4.93	5.15	4.04	4.18	4.13	4.16	4.19	4.13	4.05	4.69	4.19	3.97	3.22	3.92	3.91	4.11	4.02	3.98	3.94	3.91	4.02	3.51	3.50	3.43	9.26	8.74	8.72	9.10	9.08	8.89	9.68	34.03	32.07	32.71	32.74	35.37	36.60	35.31	35.42		86.51	85.83	83.67	84.97	89.34	93.40	84.67	85.06	84.66	84.23	84.99	29.67	4.90	4.78	5.46	5.31	4.42	4.24	4.16	3.13	3.29	1.24	3.54	3.14	3.15	3.40	2.45	2.31	2.23	0.38	0.37	2.99	2.42	0.89	1.08	1.95	2.80
r39	3.96	4.06	4.06	4.04	4.12	4.03	4.03	4.10	3.95	3.94	3.94	3.97	3.64	3.68	3.74	3.69	3.70	3.54	3.64	3.22	3.36	3.53	3.75	3.59	3.64	3.56	3.54	3.52	3.57	4.73	4.54	4.73	4.23	4.69	4.73	4.76	4.78	4.77	4.77	4.96	3.71	3.78	3.79	3.85	3.83	3.81	3.71	4.21	3.83	3.69	3.20	3.71	3.72	3.85	3.71	3.74	3.74	3.73	3.81	3.19	3.18	3.16	9.08	8.53	8.53	8.88	8.84	8.72	9.70	33.37	30.93	31.65	32.34	34.56	36.26	34.78	34.68	84.17		85.46	84.15	85.16	82.95	83.33	83.66	84.52	83.65	83.98	86.38	28.99	4.53	4.51	5.19	5.23	4.29	3.91	3.86	2.82	3.07	1.04	3.18	2.94	2.84	3.14	2.35	2.07	2.07	0.22	0.23	2.71	2.19	0.75	0.90	1.71	2.46
rf100	3.97	4.06	4.06	4.02	4.07	4.04	4.01	4.03	3.84	3.83	3.85	3.85	3.58	3.63	3.67	3.64	3.63	3.49	3.51	3.06	3.22	3.38	3.60	3.36	3.44	3.35	3.33	3.31	3.38	4.68	4.55	4.64	4.23	4.66	4.64	4.67	4.62	4.70	4.70	4.80	3.66	3.66	3.75	3.71	3.75	3.74	3.68	4.09	3.75	3.62	3.17	3.61	3.65	3.78	3.67	3.67	3.62	3.65	3.73	3.17	3.10	3.08	8.71	8.54	8.64	8.85	8.77	8.58	9.43	33.67	31.08	32.43	33.10	35.79	36.23	34.93	35.28	84.01	85.77		85.12	84.72	83.00	83.26	83.89	83.49	83.88	82.80	84.23	29.00	4.42	4.41	5.10	4.79	4.16	3.78	3.79	2.75	3.06	1.03	3.21	2.89	2.81	3.06	2.29	2.00	2.10	0.18	0.18	2.64	2.11	0.68	0.87	1.64	2.45
rf62	3.49	3.56	3.57	3.56	3.59	3.53	3.55	3.54	3.41	3.40	3.42	3.40	3.12	3.17	3.19	3.16	3.17	3.05	3.17	2.75	2.88	3.00	3.28	3.03	3.11	3.03	3.02	2.99	3.03	4.16	4.03	4.13	3.73	4.15	4.13	4.15	4.18	4.16	4.14	4.22	3.16	3.28	3.24	3.35	3.26	3.19	3.21	3.55	3.27	3.15	2.77	3.17	3.15	3.28	3.19	3.17	3.17	3.15	3.20	2.81	2.79	2.76	11.05	7.53	7.63	11.07	11.55	11.00	11.36	33.71	26.13	28.15	32.51	32.31	32.93	31.67	34.00	71.45	73.52	74.11		79.73	70.98	71.73	75.76	73.28	75.84	76.19	77.53	25.71	3.86	3.80	4.55	4.36	3.69	3.35	3.27	2.38	2.67	0.87	2.78	2.56	2.45	2.66	1.96	1.74	1.77	0.14	0.14	2.37	1.79	0.61	0.77	1.43	2.05
rf66	3.45	3.50	3.50	3.51	3.56	3.50	3.51	3.47	3.40	3.39	3.38	3.40	3.10	3.15	3.20	3.23	3.23	3.11	3.14	2.80	2.92	3.03	3.25	3.08	3.12	3.08	3.03	3.02	3.08	4.14	4.06	4.14	3.74	4.19	4.15	4.17	4.20	4.18	4.16	4.34	3.24	3.51	3.35	3.54	3.48	3.38	3.30	3.79	3.48	3.16	2.81	3.13	3.18	3.30	3.21	3.20	3.16	3.18	3.27	2.79	2.77	2.78	11.77	7.71	7.76	11.90	11.16	10.51	11.53	33.53	26.85	27.89	31.32	31.42	33.22	32.10	34.69	73.00	74.94	74.28	80.31		72.19	73.13	77.80	76.79	77.86	79.69	80.14	26.24	4.01	3.93	4.62	4.55	3.65	3.29	3.29	2.37	2.59	0.86	2.78	2.54	2.50	2.72	1.96	1.83	1.75	0.14	0.15	2.29	1.74	0.59	0.75	1.45	2.05
rf67	3.84	3.97	3.96	3.93	3.98	3.91	3.92	3.86	3.80	3.77	3.77	3.80	3.48	3.54	3.57	3.61	3.62	3.38	3.61	3.08	3.21	3.46	3.61	3.48	3.58	3.44	3.40	3.45	3.40	4.51	4.46	4.48	4.10	4.46	4.49	4.56	4.53	4.50	4.50	4.65	3.57	3.73	3.72	3.77	3.81	3.73	3.62	4.26	3.81	3.51	3.13	3.53	3.53	3.72	3.62	3.59	3.54	3.53	3.65	3.09	3.06	3.07	8.71	8.27	8.29	8.62	8.48	8.31	9.14	32.89	30.95	30.99	31.39	34.20	35.25	34.26	34.21	86.02	81.99	81.73	80.17	81.05		87.72	80.23	80.41	80.22	79.83	80.65	28.57	4.44	4.31	4.98	4.69	4.10	3.67	3.67	2.71	2.95	0.97	3.16	2.80	2.78	2.95	2.12	2.02	1.84	0.17	0.17	2.65	2.12	0.67	0.83	1.58	2.43
rf68	3.70	3.78	3.80	3.76	3.78	3.77	3.75	3.76	3.70	3.68	3.64	3.68	3.41	3.48	3.53	3.54	3.55	3.28	3.45	2.95	3.10	3.28	3.46	3.37	3.46	3.32	3.31	3.34	3.32	4.34	4.31	4.31	3.97	4.41	4.41	4.45	4.40	4.39	4.38	4.47	3.47	3.71	3.59	4.09	3.69	3.61	3.49	4.39	3.69	3.47	3.03	3.43	3.44	3.65	3.73	3.47	3.43	3.44	3.57	2.98	2.95	2.93	8.55	7.95	7.99	8.54	8.51	8.06	9.07	32.05	29.51	29.52	30.15	32.80	33.68	33.04	32.42	86.30	79.15	78.77	77.91	78.99	84.24		77.33	77.88	77.32	77.87	77.86	28.21	4.10	4.14	4.73	4.54	3.96	3.53	3.59	2.60	2.87	0.90	3.05	2.66	2.66	2.89	2.06	1.94	1.86	0.16	0.16	2.56	2.05	0.63	0.80	1.59	2.42
rf76	3.69	3.78	3.75	3.76	3.77	3.76	3.75	3.78	3.83	3.81	3.81	3.84	3.41	3.41	3.50	3.51	3.47	3.38	3.53	2.99	3.17	3.30	3.55	3.39	3.47	3.39	3.36	3.34	3.41	4.48	4.36	4.46	4.05	4.47	4.44	4.49	4.42	4.45	4.50	4.56	3.52	3.56	3.58	3.60	3.67	3.69	3.51	3.86	3.68	3.46	3.03	3.43	3.44	3.55	3.46	3.47	3.45	3.45	3.53	3.00	3.02	2.99	11.53	8.16	8.24	12.01	11.43	11.13	11.72	36.46	29.03	31.15	34.53	33.93	34.86	34.14	37.21	79.93	80.99	80.93	83.94	85.69	78.59	78.85		82.22	99.86	86.98	86.12	28.43	4.35	4.33	4.99	4.78	4.06	3.61	3.57	2.58	2.88	0.94	3.04	2.73	2.72	2.98	2.11	2.01	1.92	0.16	0.16	2.52	1.91	0.64	0.83	1.56	2.17
rf77	3.83	3.91	3.90	3.91	3.92	3.90	3.91	3.91	3.82	3.77	3.79	3.81	3.51	3.56	3.61	3.63	3.65	3.42	3.51	3.05	3.19	3.32	3.53	3.37	3.50	3.34	3.37	3.38	3.38	4.55	4.42	4.50	4.10	4.54	4.55	4.56	4.59	4.59	4.57	4.66	3.60	3.70	3.67	3.83	3.76	3.61	3.62	4.30	3.76	3.55	3.10	3.52	3.53	3.63	3.65	3.55	3.53	3.53	3.59	3.06	3.02	3.00	8.84	8.30	8.31	8.79	8.85	8.41	9.23	32.68	29.62	31.04	31.49	33.80	34.86	34.20	34.27	81.27	82.89	81.70	82.32	85.71	79.89	80.54	83.39		83.39	88.48	83.52	27.62	4.35	4.39	5.11	4.99	4.09	3.72	3.67	2.70	2.99	0.96	3.14	2.80	2.73	2.93	2.14	1.92	1.94	0.15	0.15	2.59	2.15	0.67	0.84	1.60	2.38
rf78	3.70	3.79	3.77	3.77	3.78	3.76	3.76	3.84	3.83	3.78	3.80	3.85	3.39	3.43	3.49	3.49	3.48	3.41	3.46	3.03	3.18	3.31	3.51	3.35	3.45	3.35	3.34	3.33	3.39	4.47	4.36	4.47	4.06	4.54	4.50	4.52	4.54	4.55	4.58	4.54	3.49	3.55	3.58	3.60	3.70	3.69	3.50	3.82	3.70	3.45	3.05	3.45	3.47	3.57	3.48	3.46	3.45	3.47	3.56	3.08	3.05	3.01	11.51	8.04	8.12	11.90	11.31	11.01	11.63	36.26	28.70	30.82	34.18	33.58	34.56	33.85	36.82	79.80	80.88	80.82	83.85	85.59	78.46	78.73	99.67	82.16		86.92	86.00	28.33	4.34	4.35	5.07	4.77	4.07	3.65	3.57	2.56	2.92	0.95	3.05	2.73	2.72	2.95	2.09	1.90	1.90	0.16	0.16	2.52	1.88	0.65	0.84	1.56	2.14
rf79	3.59	3.65	3.64	3.61	3.64	3.62	3.61	3.63	3.64	3.62	3.64	3.65	3.29	3.34	3.38	3.40	3.39	3.20	3.29	2.90	3.05	3.17	3.37	3.24	3.33	3.25	3.22	3.20	3.27	4.26	4.14	4.26	3.92	4.34	4.35	4.37	4.36	4.36	4.34	4.38	3.37	3.49	3.45	3.64	3.57	3.60	3.38	4.08	3.57	3.28	2.82	3.26	3.24	3.40	3.39	3.30	3.28	3.25	3.34	2.92	2.83	2.84	11.84	7.73	7.87	11.65	11.78	10.96	11.81	34.36	27.62	28.85	32.32	31.99	33.57	32.91	34.77	75.15	76.84	75.59	79.95	83.09	73.93	75.03	82.28	82.63	82.35		83.89	27.54	4.16	4.16	4.74	4.62	3.78	3.48	3.40	2.48	2.85	0.91	2.88	2.54	2.59	2.77	2.06	1.85	1.82	0.16	0.16	2.40	1.88	0.63	0.80	1.58	2.22
rf80	3.61	3.67	3.66	3.67	3.73	3.66	3.67	3.66	3.60	3.59	3.58	3.62	3.24	3.26	3.30	3.32	3.31	3.16	3.34	2.86	3.03	3.18	3.36	3.22	3.31	3.20	3.18	3.19	3.24	4.28	4.19	4.29	3.82	4.30	4.27	4.29	4.36	4.36	4.33	4.48	3.36	3.42	3.36	3.45	3.41	3.44	3.35	3.53	3.41	3.26	2.87	3.23	3.27	3.34	3.30	3.30	3.27	3.27	3.31	2.92	2.92	2.90	11.37	7.85	8.04	12.14	11.18	10.82	11.46	34.07	27.43	28.93	32.31	31.78	34.67	32.51	35.14	75.43	78.78	76.57	80.93	83.12	74.43	74.87	81.12	77.61	81.18	83.48		27.18	4.04	4.04	4.79	4.67	3.86	3.47	3.47	2.44	2.80	0.90	2.88	2.63	2.51	2.79	1.98	1.87	1.81	0.16	0.16	2.40	1.84	0.64	0.77	1.53	2.01
r45	3.32	3.36	3.40	3.43	3.43	3.40	3.41	3.59	3.44	3.44	3.43	3.47	3.11	3.17	3.23	3.27	3.27	3.12	3.10	2.68	2.81	2.94	3.06	3.01	3.07	2.94	2.89	2.99	2.91	3.96	3.81	3.95	3.58	3.88	3.92	3.95	3.97	3.92	3.86	3.94	3.19	3.40	3.30	3.53	3.39	3.36	3.14	3.85	3.39	3.16	2.91	3.16	3.17	3.39	3.29	3.22	3.18	3.17	3.43	2.86	2.80	2.88	8.64	7.12	7.13	8.62	8.53	8.24	9.04	36.72	34.22	32.68	33.66	36.36	37.67	35.93	35.95	27.10	27.35	27.34	27.73	28.04	27.29	28.18	27.73	26.53	27.74	28.10	28.26		3.73	3.85	4.19	4.17	3.59	3.15	3.10	2.47	2.55	0.93	2.77	2.44	2.54	2.69	1.82	1.83	1.70	0.17	0.16	2.24	1.79	0.54	0.72	1.36	2.16
rc54	5.95	6.06	6.06	6.06	6.18	6.03	6.07	6.12	6.60	6.51	6.59	6.58	6.01	6.03	6.05	6.11	6.12	5.87	5.33	5.08	5.32	5.47	5.78	5.40	5.60	5.39	5.46	5.40	5.39	6.54	6.32	6.55	5.86	6.39	6.40	6.41	6.41	6.42	6.46	6.57	4.17	4.20	4.19	4.14	4.26	4.14	4.18	4.19	4.26	4.05	3.56	4.02	4.05	4.11	4.06	4.09	4.05	4.05	4.04	3.37	3.41	3.39	5.17	5.55	5.59	5.60	5.53	5.67	5.67	6.37	5.89	6.24	6.18	5.75	5.74	5.77	5.80	5.97	5.88	5.88	5.88	6.00	5.92	5.78	5.90	5.88	5.90	5.93	5.89	5.28		64.22	16.22	13.83	6.31	5.74	5.69	4.43	5.19	1.73	5.39	4.64	4.61	5.52	3.65	3.28	3.27	0.23	0.24	4.33	2.82	1.10	1.58	2.39	3.54
rkr83	5.85	5.91	5.95	5.90	5.97	5.96	5.90	5.95	6.48	6.46	6.52	6.50	5.98	5.99	6.01	6.13	6.07	5.77	5.46	4.87	5.08	5.43	5.66	5.48	5.60	5.41	5.41	5.36	5.36	6.40	6.15	6.33	5.71	6.29	6.30	6.29	6.27	6.30	6.32	6.56	3.98	4.10	3.99	4.09	4.08	4.06	3.97	4.10	4.09	3.96	3.43	3.89	3.98	3.95	3.94	3.97	4.00	3.98	3.98	3.45	3.44	3.48	5.33	5.47	5.48	5.52	5.54	5.56	5.61	6.34	6.00	6.47	6.39	5.87	5.89	5.88	5.89	5.95	5.88	5.87	5.78	5.95	5.86	5.81	5.94	5.94	5.94	5.97	5.89	5.38	63.97		15.69	13.50	6.21	5.65	5.59	4.41	5.00	1.70	5.31	4.58	4.60	5.40	3.54	3.45	3.13	0.22	0.23	4.40	2.66	1.11	1.64	2.45	3.44
r94	5.10	5.22	5.19	5.21	5.27	5.19	5.23	5.20	5.40	5.39	5.39	5.39	5.07	5.07	5.12	5.17	5.17	4.75	4.39	4.12	4.22	4.70	4.77	4.58	4.74	4.51	4.57	4.52	4.52	5.88	5.67	5.83	5.40	5.90	5.96	5.96	5.97	5.92	5.92	6.08	3.66	3.78	3.68	3.78	3.76	3.71	3.68	3.80	3.77	3.62	3.25	3.67	3.66	3.64	3.67	3.68	3.67	3.66	3.64	3.18	3.14	3.17	5.05	5.20	5.17	5.24	5.21	5.21	5.23	6.07	5.48	6.09	6.11	5.73	5.81	5.67	5.70	5.71	5.85	5.70	5.77	5.92	5.63	5.60	5.74	5.80	5.74	5.84	5.79	4.98	13.50	13.33		30.85	5.29	4.80	4.89	3.62	4.38	1.46	4.41	3.75	3.58	4.44	3.05	2.84	2.68	0.20	0.20	3.86	2.50	0.87	1.28	2.13	2.76
r109	4.60	4.63	4.66	4.66	4.71	4.68	4.65	4.67	4.59	4.59	4.59	4.59	4.27	4.31	4.34	4.37	4.34	4.16	4.03	3.75	3.87	4.19	4.29	4.11	4.26	4.07	4.10	4.11	4.05	5.39	5.21	5.39	4.89	5.39	5.43	5.43	5.41	5.42	5.39	5.40	3.60	3.69	3.64	3.60	3.76	3.69	3.62	3.69	3.75	3.57	3.21	3.63	3.62	3.66	3.63	3.64	3.65	3.62	3.62	3.20	3.19	3.11	5.10	5.18	5.17	5.27	5.12	5.25	5.32	5.91	5.33	5.95	6.05	5.28	5.49	5.37	5.46	5.51	5.75	5.36	5.56	5.82	5.44	5.35	5.51	5.65	5.50	5.67	5.74	4.91	11.70	11.33	31.16		4.74	4.41	4.49	3.17	3.94	1.37	3.93	3.37	3.51	3.80	2.88	2.54	2.55	0.19	0.20	3.50	2.37	0.80	1.10	2.14	2.48
r95	9.62	9.75	9.77	9.74	9.80	9.77	9.74	10.33	8.64	8.56	8.75	8.58	7.78	7.74	7.88	8.00	7.80	7.53	7.18	5.42	5.73	6.08	6.34	5.92	6.02	5.87	5.82	5.85	5.89	9.10	9.07	9.31	8.26	9.00	8.93	9.14	9.20	9.17	9.35	9.51	5.14	5.08	5.07	5.03	5.13	5.13	5.07	5.15	5.13	5.07	4.57	5.05	5.04	5.12	4.99	5.06	5.05	5.05	5.06	4.50	4.41	4.52	3.65	3.55	3.56	3.58	3.57	3.55	3.59	4.32	4.05	4.42	4.39	4.03	4.01	4.00	3.95	4.04	4.03	4.03	3.99	3.98	4.02	4.03	3.94	3.95	3.94	3.92	4.01	3.61	4.49	4.39	4.43	3.89		12.97	11.73	5.34	4.96	1.98	7.04	5.78	5.82	6.56	3.14	2.84	2.82	0.18	0.17	3.34	2.48	1.03	1.50	2.44	4.28
r106	9.04	9.18	9.23	9.14	9.37	9.22	9.13	9.98	8.00	7.96	8.02	8.08	7.32	7.24	7.47	7.46	7.42	7.09	7.49	5.93	6.23	6.70	6.90	6.54	6.46	6.40	6.33	6.47	6.49	7.75	7.63	7.88	7.08	7.79	7.80	7.86	7.88	7.87	7.97	8.45	4.72	4.71	4.70	4.72	4.79	4.66	4.64	4.68	4.80	4.59	4.11	4.69	4.66	4.72	4.68	4.68	4.65	4.67	4.69	4.44	4.41	4.50	3.54	3.62	3.58	3.66	3.62	3.66	3.69	4.08	3.72	4.02	4.01	3.74	3.72	3.77	3.71	3.71	3.77	3.71	3.67	3.64	3.62	3.65	3.65	3.68	3.64	3.67	3.74	3.35	4.23	4.17	4.13	3.83	13.02		32.79	4.84	5.42	1.70	5.36	4.49	4.75	5.31	3.13	2.84	2.76	0.24	0.23	3.29	2.43	0.95	1.31	2.50	3.78
rt46	8.65	8.88	8.92	8.88	9.07	8.94	8.89	8.96	7.88	7.89	7.90	7.88	7.42	7.39	7.46	7.48	7.44	7.14	7.69	5.74	5.85	6.73	7.00	6.22	6.30	6.20	6.35	6.24	6.24	7.14	7.11	7.25	6.57	7.09	7.08	7.09	7.25	7.36	7.22	7.78	4.25	4.17	4.21	4.24	4.25	4.26	4.22	4.22	4.25	4.05	3.61	4.07	4.09	4.12	4.07	4.11	4.14	4.10	4.10	3.90	3.88	3.87	3.24	3.39	3.35	3.39	3.39	3.44	3.42	3.72	3.41	3.63	3.61	3.34	3.28	3.28	3.31	3.42	3.45	3.40	3.36	3.38	3.34	3.42	3.32	3.36	3.32	3.35	3.43	3.02	3.99	3.86	4.03	3.69	11.32	31.36		4.66	5.06	1.56	5.34	4.31	4.49	5.08	3.04	2.65	2.61	0.19	0.19	3.07	2.24	0.87	1.32	2.17	3.59
rk21	4.48	4.53	4.53	4.51	4.55	4.55	4.52	4.73	4.93	4.96	4.94	4.93	4.46	4.47	4.52	4.54	4.51	4.35	4.47	3.60	3.75	4.11	4.31	3.94	4.04	3.92	3.93	3.93	4.05	4.64	4.66	4.73	4.26	4.53	4.50	4.56	4.61	4.63	4.52	5.05	2.72	2.77	2.73	2.76	2.75	2.74	2.74	2.77	2.75	2.68	2.37	2.71	2.70	2.70	2.70	2.68	2.70	2.71	2.71	2.61	2.56	2.60	2.41	2.45	2.48	2.44	2.46	2.49	2.45	2.81	2.64	2.84	2.86	2.62	2.64	2.62	2.58	2.59	2.56	2.55	2.51	2.51	2.58	2.54	2.48	2.54	2.48	2.48	2.52	2.48	3.11	3.11	3.01	2.61	5.33	4.79	4.81		3.29	1.42	5.26	4.82	4.87	5.19	2.53	2.31	2.27	0.15	0.15	2.46	1.87	0.83	1.12	2.23	2.45
rr28	7.28	7.38	7.38	7.43	7.36	7.43	7.42	7.25	7.36	7.24	7.40	7.29	6.89	6.92	7.05	6.98	6.95	6.64	6.86	6.15	6.45	6.84	6.98	6.64	6.71	6.60	6.66	6.61	6.55	7.26	6.95	7.19	6.60	7.33	7.27	7.28	7.40	7.44	7.19	7.56	4.22	4.26	4.26	4.21	4.24	4.22	4.26	4.26	4.24	4.18	3.69	4.22	4.19	4.24	4.17	4.20	4.22	4.19	4.18	3.82	3.79	3.79	3.53	3.75	3.72	3.77	3.77	3.79	3.78	3.92	3.61	4.05	4.09	3.59	3.53	3.68	3.59	3.58	3.63	3.62	3.58	3.53	3.56	3.60	3.55	3.57	3.55	3.61	3.64	3.31	4.69	4.52	4.75	4.21	6.34	6.71	6.68	4.28		1.58	4.63	4.13	3.95	4.82	3.37	2.89	2.97	0.20	0.18	3.53	2.22	1.04	1.46	2.65	3.28
rr91	0.71	0.71	0.72	0.71	0.72	0.73	0.71	0.75	0.86	0.86	0.86	0.86	0.76	0.77	0.77	0.77	0.76	0.76	0.73	0.58	0.61	0.66	0.71	0.67	0.83	0.68	0.66	0.68	0.68	0.76	0.73	0.76	0.69	0.76	0.78	0.78	0.77	0.77	0.78	0.80	0.40	0.40	0.41	0.40	0.40	0.39	0.41	0.41	0.40	0.39	0.34	0.39	0.39	0.39	0.38	0.40	0.38	0.39	0.39	0.37	0.36	0.37	0.41	0.41	0.40	0.41	0.41	0.42	0.41	0.49	0.42	0.47	0.46	0.42	0.42	0.45	0.43	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.55	0.55	0.57	0.51	0.88	0.72	0.74	0.65	0.56		0.97	0.94	0.81	0.96	0.54	0.50	0.51	0.05	0.05	0.56	0.40	0.26	0.36	0.44	0.52
na53	4.26	4.33	4.30	4.30	4.32	4.29	4.30	4.51	4.89	4.93	5.03	4.92	4.61	4.52	4.62	4.62	4.57	4.55	4.21	3.53	3.70	3.99	4.21	4.02	4.20	3.99	3.94	3.99	3.96	4.26	4.27	4.36	3.82	4.24	4.24	4.44	4.25	4.27	4.30	4.39	2.37	2.43	2.41	2.36	2.43	2.35	2.35	2.46	2.43	2.32	2.06	2.33	2.35	2.41	2.36	2.31	2.34	2.35	2.42	2.10	2.08	2.11	2.11	2.14	2.13	2.18	2.14	2.15	2.21	2.68	2.42	2.69	2.72	2.44	2.44	2.49	2.47	2.50	2.49	2.53	2.47	2.49	2.50	2.52	2.46	2.51	2.46	2.46	2.46	2.32	3.16	3.05	2.99	2.69	5.77	4.32	4.58	4.40	2.91	1.74		12.51	13.39	14.12	2.61	2.56	2.46	0.13	0.13	2.73	1.84	0.89	1.27	2.11	2.79
nb6	2.71	2.76	2.78	2.76	2.79	2.75	2.76	2.80	3.02	3.05	3.05	3.03	2.77	2.77	2.83	2.82	2.78	2.66	2.63	2.18	2.27	2.42	2.51	2.35	2.44	2.37	2.36	2.36	2.36	2.75	2.57	2.72	2.57	2.81	2.81	2.80	2.77	2.83	2.79	2.91	1.59	1.56	1.55	1.57	1.56	1.56	1.52	1.58	1.56	1.54	1.28	1.55	1.55	1.54	1.54	1.56	1.53	1.56	1.55	1.42	1.44	1.43	1.52	1.53	1.49	1.53	1.53	1.54	1.56	1.90	1.75	1.88	1.84	1.66	1.69	1.67	1.70	1.73	1.75	1.74	1.72	1.71	1.67	1.70	1.68	1.70	1.68	1.69	1.74	1.57	2.06	2.06	1.94	1.74	3.53	2.69	2.83	3.01	1.98	1.30	9.25		9.67	9.83	1.67	1.68	1.64	0.16	0.16	1.82	1.33	0.63	0.94	1.42	1.63
nc7	4.21	4.26	4.28	4.28	4.30	4.28	4.28	4.31	4.84	4.86	4.94	4.91	4.58	4.57	4.68	4.72	4.62	4.43	4.17	3.64	3.88	3.99	4.14	3.99	3.98	3.90	3.84	3.90	3.88	4.32	4.16	4.35	3.79	4.17	4.17	4.33	4.27	4.32	4.24	4.42	2.45	2.53	2.48	2.47	2.54	2.44	2.42	2.50	2.54	2.45	2.08	2.42	2.45	2.49	2.46	2.44	2.42	2.46	2.52	2.29	2.26	2.27	2.30	2.30	2.25	2.30	2.32	2.30	2.31	2.73	2.63	2.82	2.82	2.65	2.64	2.64	2.65	2.57	2.53	2.56	2.51	2.55	2.49	2.53	2.49	2.53	2.49	2.56	2.52	2.42	3.13	3.12	2.88	2.77	5.37	4.31	4.37	4.62	2.91	1.71	15.12	14.54		16.06	2.56	2.72	2.62	0.26	0.26	2.67	2.02	0.93	1.33	2.11	2.63
nf8	4.96	5.01	5.00	5.04	5.00	5.07	5.05	5.16	6.27	6.24	6.31	6.22	5.72	5.74	5.80	5.81	5.78	5.50	5.02	4.35	4.46	4.63	5.03	4.71	4.80	4.64	4.70	4.68	4.70	5.08	4.77	5.03	4.50	5.05	5.04	5.03	5.01	5.04	5.02	5.40	2.61	2.58	2.60	2.57	2.60	2.58	2.59	2.63	2.60	2.57	2.18	2.57	2.56	2.60	2.59	2.57	2.59	2.57	2.57	2.36	2.32	2.33	2.47	2.60	2.56	2.64	2.60	2.66	2.65	3.16	2.98	3.23	3.22	2.90	2.91	2.87	2.86	2.90	2.87	2.89	2.80	2.86	2.79	2.86	2.79	2.80	2.79	2.84	2.86	2.72	3.85	3.83	3.55	3.08	6.16	4.98	5.07	5.10	3.57	2.08	16.24	15.24	16.52		3.13	3.11	3.00	0.25	0.24	3.35	2.33	1.11	1.63	2.25	3.16
g3	3.14	3.16	3.16	3.17	3.20	3.20	3.17	3.27	3.70	3.68	3.71	3.66	3.41	3.43	3.45	3.45	3.43	3.18	3.11	2.85	2.94	3.18	3.46	3.09	3.29	3.17	3.14	3.12	3.15	3.28	3.04	3.21	2.85	3.11	3.17	3.22	3.16	3.16	3.26	3.32	1.97	1.96	1.95	1.95	1.96	1.95	1.96	1.96	1.96	1.96	1.61	1.95	1.94	1.96	1.93	1.95	1.92	1.94	1.93	1.75	1.77	1.74	2.06	2.06	2.06	2.07	2.10	2.12	2.11	2.32	2.20	2.26	2.31	2.19	2.23	2.21	2.21	2.24	2.29	2.30	2.26	2.21	2.14	2.18	2.18	2.21	2.17	2.26	2.21	1.97	2.75	2.69	2.65	2.57	3.28	3.22	3.44	2.75	2.85	1.28	3.31	2.82	2.84	3.35		9.66	7.61	0.28	0.26	5.18	3.70	0.87	1.16	1.75	2.11
gb4	2.88	2.93	2.93	2.93	2.96	2.94	2.93	2.85	3.64	3.68	3.46	3.50	3.45	3.33	3.59	3.43	3.46	3.16	3.01	2.75	2.92	3.00	3.17	3.36	3.59	3.24	2.86	3.21	3.16	3.35	3.18	3.30	2.89	3.20	3.22	3.31	3.17	3.23	3.06	3.13	1.99	2.24	1.96	2.07	2.04	2.00	1.96	2.19	2.04	1.86	1.52	1.81	1.94	1.84	1.85	1.82	1.82	1.94	1.94	1.79	1.68	1.69	1.85	1.89	1.88	1.91	2.03	1.90	1.91	2.31	2.04	2.30	2.26	2.02	2.08	2.15	2.12	2.13	2.08	2.04	2.02	2.10	2.09	2.10	2.03	2.02	2.02	2.07	2.12	2.04	2.58	2.66	2.55	2.39	3.13	2.98	2.95	2.53	2.43	1.16	3.35	2.88	3.17	3.41	10.34		9.82	0.21	0.20	4.88	3.49	0.80	1.05	1.46	1.95
gp5	2.67	2.67	2.64	2.67	2.67	2.70	2.67	2.75	3.20	3.23	3.19	3.19	2.95	2.97	3.01	3.02	2.97	2.77	2.85	2.51	2.57	2.79	2.97	2.77	2.85	2.74	2.74	2.72	2.75	2.85	2.65	2.84	2.53	2.78	2.77	2.82	2.89	2.93	2.89	2.90	1.82	1.82	1.81	1.83	1.82	1.81	1.80	1.80	1.83	1.77	1.49	1.80	1.80	1.83	1.78	1.81	1.79	1.80	1.80	1.63	1.64	1.62	1.78	1.80	1.77	1.83	1.81	1.86	1.83	2.06	1.97	2.09	2.13	2.00	2.00	2.06	1.96	1.93	1.93	2.00	1.92	1.91	1.83	1.90	1.86	1.93	1.86	1.93	1.94	1.78	2.37	2.26	2.28	2.17	2.80	2.71	2.71	2.44	2.40	1.21	3.09	2.64	2.78	3.08	7.34	8.61		0.25	0.24	4.54	3.06	0.80	1.03	1.50	1.78
cd1	0.42	0.42	0.42	0.41	0.40	0.41	0.41	0.41	0.44	0.42	0.43	0.42	0.35	0.38	0.38	0.37	0.37	0.34	0.40	0.43	0.44	0.43	0.46	0.49	0.44	0.43	0.47	0.47	0.47	0.39	0.30	0.40	0.30	0.37	0.40	0.42	0.41	0.40	0.38	0.41	0.44	0.46	0.43	0.44	0.43	0.44	0.43	0.45	0.43	0.46	0.35	0.44	0.45	0.44	0.44	0.44	0.48	0.45	0.45	0.46	0.46	0.46	0.39	0.36	0.35	0.39	0.40	0.39	0.38	0.34	0.36	0.38	0.36	0.36	0.37	0.36	0.34	0.40	0.39	0.38	0.32	0.32	0.35	0.36	0.34	0.34	0.34	0.36	0.37	0.38	0.38	0.36	0.35	0.34	0.39	0.40	0.42	0.36	0.33	0.25	0.38	0.40	0.42	0.37	0.37	0.33	0.35		84.59	0.33	0.33	0.21	0.26	0.37	0.34
cd2	0.40	0.41	0.40	0.39	0.39	0.40	0.39	0.42	0.43	0.41	0.42	0.42	0.38	0.39	0.40	0.39	0.38	0.34	0.41	0.41	0.42	0.42	0.45	0.46	0.41	0.42	0.43	0.43	0.44	0.37	0.28	0.38	0.30	0.36	0.39	0.41	0.39	0.39	0.39	0.40	0.44	0.46	0.43	0.47	0.44	0.45	0.44	0.45	0.44	0.46	0.35	0.44	0.46	0.45	0.45	0.45	0.48	0.46	0.46	0.48	0.47	0.48	0.37	0.34	0.32	0.36	0.38	0.36	0.35	0.32	0.32	0.33	0.32	0.32	0.34	0.31	0.29	0.36	0.36	0.34	0.30	0.31	0.32	0.32	0.31	0.31	0.31	0.33	0.33	0.34	0.38	0.38	0.35	0.37	0.38	0.39	0.42	0.36	0.31	0.23	0.38	0.40	0.42	0.36	0.33	0.29	0.34	88.14		0.33	0.34	0.23	0.24	0.37	0.35
w115	3.62	3.69	3.68	3.73	3.69	3.72	3.72	3.85	4.03	4.00	4.01	4.03	3.74	3.76	3.78	3.81	3.82	3.54	3.50	3.40	3.63	3.79	3.95	3.68	3.92	3.73	3.65	3.70	3.70	3.72	3.66	3.77	3.36	3.56	3.67	3.71	3.72	3.69	3.63	3.81	2.25	2.30	2.26	2.32	2.35	2.24	2.28	2.31	2.34	2.30	2.01	2.27	2.31	2.33	2.33	2.32	2.31	2.31	2.34	2.03	1.99	1.98	2.45	2.51	2.50	2.50	2.51	2.51	2.54	3.10	2.83	3.04	3.03	2.73	2.83	2.90	2.85	2.97	2.95	2.90	2.91	2.90	2.96	2.98	2.85	2.88	2.85	2.85	2.85	2.64	3.60	3.61	3.77	3.41	3.96	3.73	3.64	2.88	3.21	1.40	3.91	3.41	3.26	3.98	5.84	5.34	5.34	0.17	0.17		4.77	0.99	1.35	1.85	2.47
w116	2.32	2.34	2.34	2.35	2.32	2.36	2.35	2.39	2.41	2.44	2.41	2.46	2.34	2.34	2.35	2.33	2.35	2.24	2.14	2.04	2.12	2.25	2.27	2.24	2.30	2.23	2.19	2.23	2.22	2.58	2.47	2.63	2.41	2.59	2.56	2.60	2.52	2.55	2.64	2.60	1.68	1.81	1.70	1.76	1.72	1.68	1.70	1.76	1.72	1.66	1.39	1.62	1.63	1.70	1.71	1.65	1.63	1.63	1.68	1.60	1.60	1.60	1.68	1.77	1.69	1.72	1.79	1.78	1.77	2.02	2.00	1.88	1.88	1.75	1.78	1.80	1.77	2.07	2.08	2.06	1.92	1.95	2.07	2.08	1.93	2.13	1.93	1.98	1.98	1.88	2.05	1.97	2.16	2.06	2.48	2.34	2.33	1.95	1.82	0.90	2.26	2.07	2.09	2.37	3.51	3.28	3.01	0.19	0.19	4.10		0.61	0.79	1.18	1.46
sr48	1.55	1.55	1.56	1.56	1.58	1.59	1.56	1.47	1.77	1.78	1.80	1.76	1.59	1.60	1.63	1.63	1.60	1.55	1.53	1.29	1.33	1.47	1.49	1.41	1.54	1.38	1.34	1.38	1.39	1.44	1.27	1.42	1.24	1.37	1.40	1.42	1.42	1.42	1.37	1.44	0.91	0.95	0.95	0.95	0.94	0.95	0.94	0.94	0.94	0.94	0.77	0.96	0.94	0.95	0.94	0.95	0.94	0.94	0.93	0.81	0.80	0.81	0.97	1.01	0.97	1.02	1.04	1.04	1.01	1.01	0.99	1.09	1.03	1.09	1.06	1.03	1.04	1.09	1.12	1.13	1.08	1.07	1.10	1.07	1.10	1.10	1.10	1.09	1.11	0.94	1.37	1.44	1.25	1.16	1.75	1.54	1.51	1.41	1.41	0.95	1.84	1.65	1.66	1.87	1.33	1.21	1.24	0.16	0.18	1.45	0.97		17.14	0.92	1.28
srg49	1.97	1.95	1.96	2.00	1.99	1.99	2.00	1.89	2.32	2.33	2.31	2.31	2.24	2.24	2.23	2.23	2.21	2.10	1.93	1.65	1.79	1.91	1.91	1.82	1.97	1.80	1.83	1.81	1.80	1.81	1.68	1.81	1.68	1.83	1.85	1.86	1.89	1.90	1.82	1.99	1.08	1.07	1.10	1.09	1.06	1.08	1.07	1.11	1.06	1.06	0.89	1.05	1.03	1.06	1.06	1.06	1.06	1.03	1.02	1.08	1.06	1.05	1.14	1.25	1.22	1.24	1.26	1.26	1.25	1.30	1.30	1.37	1.29	1.25	1.28	1.21	1.20	1.26	1.27	1.29	1.26	1.26	1.23	1.23	1.25	1.25	1.24	1.29	1.26	1.08	1.73	1.80	1.63	1.41	2.34	1.90	2.06	1.71	1.84	1.16	2.44	2.15	2.12	2.54	1.63	1.49	1.44	0.17	0.16	1.77	1.17	15.44		1.13	1.63
smn50	2.43	2.49	2.47	2.49	2.49	2.49	2.48	2.54	2.44	2.46	2.48	2.44	2.25	2.27	2.27	2.28	2.27	2.19	2.35	2.08	2.20	2.33	2.37	2.29	2.36	2.28	2.27	2.29	2.30	2.43	2.26	2.41	2.16	2.31	2.31	2.32	2.29	2.36	2.38	2.32	1.78	1.78	1.76	1.77	1.76	1.79	1.76	1.76	1.76	1.80	1.57	1.80	1.84	1.81	1.84	1.81	1.79	1.84	1.84	1.61	1.62	1.65	1.60	1.60	1.63	1.62	1.60	1.65	1.59	1.74	1.56	1.69	1.67	1.60	1.64	1.60	1.61	1.65	1.64	1.63	1.63	1.64	1.61	1.63	1.60	1.62	1.60	1.67	1.64	1.45	1.85	1.88	1.90	1.87	2.52	2.49	2.40	2.36	2.23	1.00	2.82	2.39	2.30	2.44	1.68	1.37	1.50	0.18	0.19	1.65	1.24	0.60	0.81		1.36
tb51	4.41	4.48	4.54	4.43	4.53	4.50	4.43	4.88	4.99	4.97	4.98	4.99	4.54	4.53	4.69	4.60	4.56	4.34	4.19	3.36	3.60	3.98	4.28	3.90	4.15	3.86	3.82	3.88	3.89	4.11	3.95	4.03	3.65	4.10	3.98	4.13	3.97	4.05	4.09	4.26	2.62	2.69	2.75	2.67	2.78	2.63	2.61	2.84	2.77	2.61	2.26	2.57	2.66	2.71	2.65	2.65	2.61	2.66	2.77	2.36	2.45	2.48	1.97	2.04	2.02	2.36	2.29	2.05	2.35	2.86	2.59	2.48	2.43	2.19	2.50	2.33	2.25	2.65	2.65	2.61	2.59	2.56	2.63	2.63	2.51	2.61	2.51	2.67	2.41	2.44	2.94	2.95	2.70	2.51	5.04	4.36	4.39	2.91	3.09	1.39	3.95	3.06	3.27	3.89	2.32	2.15	2.05	0.19	0.18	2.52	1.73	0.88	1.22	1.56	

Supplementary Table 2b. Pairwise ANI-G score from the genome sequences

	ch56	re13	re12	re9	re14	re10	re11	rd55	r34	rrh31	r38	ra97	r42	rrb103	rrb102	rrb32	rrb104	rrb33	rph87	rg82	r41	rrh101	rrh29	r37	r93	rp88	rp25	rp26	r111	r44	rj52	r43	ro24	ri20	rw47	ro86	ro23	ro85	rw96	ro22	rey16	rq27	rey98	rey57	rq89	rey58	rq90	r60	r105	rey18	rey59	r107	r40	rey19	rey17	rey15	ro84	rey99	rrh30	r113	r108	rrh92	rf61	rf70	r36	r35	rf64	rf69	rf65	rf75	r110	rf72	r114	rf73	rf81	rf63	rf74	rf78	r112	rf77	rf76	rf80	rf66	rf79	rf62	rf67	rf68	rf100	r39	r45	rc54	rkr83	r94	r109	r95	r106	rt46	rk21	rr28	rr91	na53	nb6	nc7	nf8	g3	gb4	gp5	cd1	cd2	w115	w116	sr48	srg49	smn50	tb51
ch56	---	99.15	98.84	98.81	98.76	98.99	99.11	83.15	75.25	75.23	75.22	75.25	75.17	75.10	75.16	75.12	75.14	74.87	74.85	74.08	74.29	74.33	74.30	74.03	74.14	74.15	74.36	74.25	74.18	75.37	75.46	75.41	75.48	75.33	75.51	75.52	75.59	75.53	75.42	75.61	73.13	73.12	73.13	73.16	73.15	73.19	73.14	73.12	73.27	73.08	73.17	73.16	72.93	73.16	73.22	73.17	73.21	73.19	73.19	72.72	72.69	72.69	72.40	72.41	72.46	72.37	72.43	72.43	72.40	72.70	72.82	72.80	72.83	72.39	72.31	72.30	72.35	72.59	72.54	72.58	72.59	72.66	72.65	72.63	72.63	72.56	72.50	72.55	72.63	72.27	72.91	72.92	72.74	72.36	75.92	75.19	75.27	72.77	###	###	73.09	72.60	73.01	73.24	70.88	###	###	66.25	66.42	70.85	70.39	69.20	69.85	71.00	####
re13	98.92	---	98.55	98.68	98.55	98.87	98.96	83.07	75.47	75.37	75.42	75.56	75.24	75.22	75.28	75.27	75.23	75.08	74.68	73.88	74.04	73.97	74.23	73.76	73.91	73.88	74.20	74.03	73.92	74.98	75.16	75.04	74.98	74.95	75.07	75.09	75.12	75.15	75.04	75.16	73.05	73.01	72.99	73.06	72.97	73.02	73.00	73.00	73.10	72.90	73.01	73.00	72.77	73.02	73.09	73.02	73.08	73.02	73.02	72.59	72.63	72.65	72.18	72.25	72.29	72.29	72.22	72.28	72.19	72.37	72.47	72.50	72.58	72.18	72.14	72.23	72.08	72.33	72.32	72.30	72.32	72.38	72.32	72.33	72.26	72.30	72.19	72.39	72.40	71.92	72.58	72.57	72.40	71.94	75.73	75.05	75.26	72.45	###	###	72.89	72.43	72.74	73.04	70.55	###	###	66.10	66.25	70.71	70.03	69.36	69.71	70.87	####
re12	98.61	98.61	---	99.97	98.77	98.62	98.85	83.15	75.21	75.15	75.18	75.19	75.00	74.91	75.04	74.94	74.92	74.81	74.71	73.96	74.07	74.12	74.13	73.85	73.95	73.93	74.23	74.05	74.04	75.08	75.30	75.16	75.33	75.19	75.42	75.32	75.39	75.33	75.27	75.46	73.09	73.01	73.01	73.12	73.03	73.08	72.97	72.97	73.11	72.99	73.04	73.00	72.84	73.04	73.11	73.05	73.12	73.09	73.09	72.65	72.65	72.67	72.09	72.21	72.19	72.18	72.25	72.22	72.20	72.37	72.59	72.55	72.63	72.20	72.05	72.19	72.14	72.25	72.26	72.27	72.25	72.26	72.29	72.27	72.22	72.25	72.24	72.26	72.31	72.08	72.63	72.65	72.50	72.02	75.74	75.09	75.26	72.64	###	###	72.75	72.53	72.88	73.14	70.55	###	###	66.24	66.23	70.72	70.03	69.06	69.65	70.76	####
re9	98.57	98.71	99.98	---	98.81	98.60	98.82	83.11	75.20	75.15	75.15	75.23	75.10	75.06	75.04	75.03	75.06	74.94	74.64	74.06	74.15	74.10	74.06	73.89	74.00	74.00	74.24	74.15	74.03	75.12	75.24	75.25	75.26	75.06	75.31	75.32	75.34	75.27	75.18	75.41	73.15	73.10	73.08	73.17	73.12	73.16	73.06	73.08	73.21	73.05	73.07	73.11	72.91	73.12	73.15	73.10	73.17	73.17	73.14	72.75	72.74	72.78	72.25	72.22	72.25	72.21	72.28	72.25	72.28	72.64	72.75	72.67	72.77	72.38	72.25	72.33	72.37	72.53	72.45	72.51	72.52	72.55	72.56	72.58	72.46	72.48	72.42	72.51	72.59	72.16	72.71	72.75	72.69	72.07	75.75	75.05	75.17	72.56	###	###	72.91	72.51	73.04	73.27	70.70	###	###	66.46	66.49	70.91	70.18	69.29	70.00	70.98	####
re14	98.56	98.55	98.76	98.81	---	98.83	98.73	83.25	75.28	75.22	75.29	75.28	75.21	75.17	75.21	75.19	75.17	75.03	74.83	74.16	74.45	74.28	74.33	73.97	74.16	74.21	74.46	74.22	74.14	75.10	75.33	75.33	75.40	75.20	75.54	75.50	75.43	75.37	75.37	75.47	73.23	73.20	73.17	73.28	73.24	73.24	73.22	73.23	73.25	73.17	73.15	73.14	72.82	73.21	73.24	73.16	73.24	73.20	73.26	72.84	72.82	72.84	72.23	72.33	72.32	72.32	72.37	72.38	72.34	72.62	72.91	72.72	72.87	72.45	72.25	72.36	72.37	72.40	72.46	72.45	72.40	72.47	72.41	72.51	72.40	72.40	72.29	72.48	72.60	72.19	72.99	72.99	72.72	72.21	75.78	75.26	75.40	72.90	###	###	73.12	72.74	73.20	73.43	70.93	###	###	66.83	66.74	71.22	70.37	69.85	70.30	71.03	####
re10	98.97	99.11	98.81	98.81	99.03	---	99.06	83.24	75.41	75.33	75.36	75.40	75.27	75.21	75.31	75.23	75.16	75.02	74.92	74.27	74.52	74.39	74.51	74.09	74.28	74.28	74.58	74.39	74.26	75.15	75.39	75.38	75.49	75.21	75.51	75.44	75.49	75.43	75.36	75.59	73.19	73.24	73.16	73.28	73.22	73.21	73.27	73.26	73.29	73.25	73.22	73.20	72.91	73.24	73.21	73.19	73.23	73.25	73.23	72.82	72.79	72.78	72.27	72.49	72.37	72.41	72.53	72.47	72.46	72.61	72.79	72.67	72.75	72.38	72.22	72.32	72.29	72.39	72.42	72.43	72.39	72.47	72.43	72.44	72.41	72.30	72.28	72.49	72.53	72.21	72.93	72.95	72.77	72.28	75.83	75.38	75.50	72.84	###	###	73.17	72.66	73.14	73.32	70.87	###	###	66.62	66.69	71.00	70.32	69.38	69.81	70.96	####
re11	99.00	99.06	98.93	98.90	98.80	98.92	---	83.03	75.12	75.10	75.08	75.11	75.08	74.98	75.04	75.04	75.02	74.81	74.82	73.96	74.19	74.07	74.26	73.88	74.01	73.99	74.28	74.10	73.98	75.11	75.26	75.22	75.31	75.12	75.35	75.31	75.38	75.21	75.16	75.30	73.07	73.15	73.05	73.12	73.08	73.10	73.11	73.10	73.14	73.18	73.03	73.03	72.83	73.08	73.09	73.02	73.11	73.06	73.07	72.68	72.65	72.67	72.21	72.30	72.26	72.24	72.30	72.30	72.29	72.63	72.80	72.69	72.78	72.32	72.14	72.33	72.26	72.49	72.39	72.42	72.48	72.48	72.43	72.43	72.42	72.42	72.34	72.44	72.51	72.22	72.84	72.89	72.64	72.19	75.87	75.20	75.31	72.80	###	###	72.96	72.52	72.98	73.11	70.71	###	###	66.30	66.36	70.94	70.20	69.29	69.89	70.80	####
rd55	82.90	82.95	83.03	83.00	83.03	82.96	82.93	---	75.51	75.53	75.49	75.52	75.27	75.32	75.37	75.29	75.31	75.13	75.15	74.15	74.14	74.25	74.34	74.03	74.23	74.29	74.23	74.37	74.29	75.43	75.54	75.42	75.40	75.38	75.53	75.52	75.50	75.40	75.42	75.56	73.31	73.31	73.24	73.45	73.27	73.34	73.30	73.29	73.34	73.24	73.35	73.27	73.10	73.28	73.34	73.27	73.34	73.31	73.37	73.16	73.16	73.18	72.28	72.46	72.42	72.44	72.50	72.50	72.45	72.80	72.93	72.88	72.92	72.49	72.42	72.51	72.46	72.59	72.54	72.61	72.60	72.69	72.65	72.63	72.52	72.57	72.49	72.61	72.68	72.40	73.01	72.87	72.82	72.45	76.28	75.71	75.34	72.85	###	###	73.13	72.69	73.15	73.39	70.88	###	###	66.49	66.51	71.12	70.30	69.27	70.01	70.99	####
r34	75.04	75.43	75.08	75.02	75.07	75.10	75.03	75.31	---	99.34	98.67	98.52	90.93	90.83	90.72	90.66	90.78	90.40	78.51	77.22	76.90	77.04	77.38	76.96	77.46	77.45	77.09	77.27	77.39	75.18	75.32	75.28	75.40	75.27	75.59	75.29	75.34	75.37	75.42	75.29	72.52	72.49	72.55	72.45	72.53	72.52	72.51	72.52	72.51	72.44	72.47	72.53	72.30	72.51	72.59	72.50	72.60	72.58	72.54	71.99	72.10	71.96	71.56	71.79	71.75	71.76	71.75	71.70	71.79	71.99	72.19	72.06	72.17	71.75	71.69	71.70	71.80	71.78	71.91	71.78	71.80	71.88	71.74	71.87	71.75	71.77	71.77	71.87	71.99	71.76	72.79	72.89	72.48	72.02	74.98	74.38	74.49	72.55	###	###	72.94	72.52	73.09	73.44	70.83	###	###	66.69	66.61	71.21	70.10	69.39	70.04	70.33	####
rrh31	75.08	75.41	75.01	75.04	75.06	75.04	75.05	75.29	99.19	---	98.48	98.57	90.91	90.89	90.75	90.80	90.80	90.44	78.54	77.19	77.02	77.22	77.51	77.05	77.50	77.52	77.13	77.48	77.45	75.20	75.38	75.17	75.22	75.14	75.45	75.25	75.25	75.21	75.25	75.27	72.51	72.48	72.50	72.51	72.49	72.49	72.49	72.48	72.52	72.52	72.51	72.57	72.39	72.58	72.55	72.60	72.52	72.61	72.53	72.04	72.10	72.02	71.56	71.82	71.80	71.74	71.70	71.74	71.74	71.92	72.03	71.98	72.10	71.68	71.65	71.64	71.72	71.80	71.72	71.71	71.82	71.72	71.60	71.73	71.66	71.72	71.58	71.74	71.82	71.61	72.79	72.94	72.45	71.86	74.96	74.48	74.66	72.56	###	###	72.88	72.53	73.11	73.52	70.78	###	###	66.29	66.38	70.99	70.07	69.43	69.96	70.37	####
r38	74.96	75.28	75.02	74.98	75.00	74.99	74.93	75.13	98.28	98.21	---	98.75	91.17	91.36	91.03	90.88	91.31	90.47	78.38	77.32	77.17	77.04	77.50	77.12	77.50	77.45	77.19	77.58	77.30	75.20	75.19	75.20	75.22	75.12	75.43	75.28	75.28	75.33	75.30	75.38	72.43	72.41	72.46	72.46	72.45	72.50	72.40	72.41	72.46	72.40	72.37	72.44	72.31	72.44	72.52	72.43	72.50	72.49	72.46	71.88	72.03	71.89	71.47	71.68	71.71	71.63	71.61	71.65	71.67	71.78	72.01	71.79	71.96	71.54	71.67	71.49	71.69	71.72	71.74	71.71	71.71	71.75	71.64	71.67	71.58	71.78	71.68	71.73	71.87	71.58	72.39	72.56	72.28	71.78	74.74	74.13	74.39	72.48	###	###	72.87	72.43	72.92	73.24	70.62	###	###	66.33	66.29	70.89	69.86	69.41	69.95	70.23	####
ra97	75.19	75.62	75.15	75.15	75.12	75.12	75.16	75.49	98.53	98.64	99.16	---	91.30	91.28	91.17	91.22	91.28	90.91	78.44	77.15	77.20	77.16	77.65	77.05	77.33	77.30	77.36	77.46	77.21	75.35	75.44	75.35	75.34	75.17	75.54	75.41	75.47	75.28	75.31	75.47	72.52	72.48	72.51	72.51	72.52	72.52	72.53	72.53	72.54	72.51	72.53	72.61	72.26	72.52	72.58	72.55	72.56	72.63	72.53	72.07	72.07	72.01	71.62	71.95	71.87	71.84	71.90	71.89	71.84	72.03	72.07	72.15	72.26	71.75	71.79	71.74	71.79	71.93	71.93	71.93	71.93	71.96	71.83	71.98	71.89	71.93	71.81	72.01	72.08	71.81	72.94	72.99	72.52	72.10	74.96	74.41	74.69	72.73	###	###	73.12	72.87	73.28	73.65	70.80	###	###	66.54	66.55	71.21	70.26	69.50	70.15	70.40	####
r42	75.07	75.46	75.05	75.02	75.02	75.01	75.05	75.24	91.10	91.10	91.57	91.37	---	98.79	98.91	98.75	98.77	94.68	78.24	77.05	77.06	76.95	77.32	77.13	77.28	77.25	77.08	77.44	77.16	74.90	74.91	74.98	74.95	75.00	75.22	75.05	75.00	74.95	75.00	75.23	72.54	72.44	72.45	72.55	72.54	72.47	72.49	72.49	72.49	72.47	72.38	72.41	72.26	72.41	72.48	72.42	72.48	72.43	72.53	72.00	72.12	72.04	71.51	71.75	71.72	71.74	71.68	71.72	71.80	71.91	72.10	72.07	72.14	71.61	71.73	71.57	71.77	71.84	71.71	71.80	71.82	71.76	71.68	71.75	71.66	71.77	71.63	71.83	71.80	71.63	72.52	72.56	72.28	71.85	74.85	74.15	74.30	72.45	###	###	72.84	72.35	72.96	73.31	70.57	###	###	65.89	65.81	70.91	70.00	69.41	69.98	70.37	####
rrb103	75.00	75.35	74.96	74.95	74.96	74.95	74.92	75.28	90.89	91.13	91.72	91.31	98.70	---	98.72	98.72	99.02	94.54	78.19	77.12	77.01	77.06	77.47	77.17	77.53	77.51	77.22	77.82	77.30	74.90	74.99	75.00	75.02	74.99	75.28	75.11	75.07	75.06	75.03	75.15	72.60	72.60	72.58	72.65	72.78	72.48	72.57	72.56	72.57	72.58	72.53	72.53	72.28	72.54	72.58	72.52	72.58	72.54	72.62	71.99	72.11	72.01	71.69	71.90	71.89	71.90	71.84	71.85	71.94	72.08	72.23	72.10	72.23	71.72	71.78	71.66	71.84	71.92	71.90	71.87	71.91	71.88	71.86	71.86	71.76	71.91	71.78	71.92	71.96	71.74	72.67	72.63	72.41	71.84	74.77	74.25	74.42	72.38	###	###	72.89	72.54	73.03	73.40	70.55	###	###	66.59	66.62	71.03	70.08	69.57	70.03	70.38	####
rrb102	75.20	75.63	75.19	75.16	75.18	75.24	75.19	75.34	91.05	91.07	91.48	91.41	99.05	98.97	---	99.20	99.01	94.76	78.32	77.06	77.04	77.07	77.45	77.06	77.28	77.19	77.23	77.39	77.17	75.08	75.05	75.13	74.99	75.04	75.19	75.13	75.13	75.08	75.09	75.28	72.57	72.52	72.55	72.51	72.49	72.55	72.51	72.51	72.55	72.52	72.56	72.57	72.35	72.50	72.57	72.55	72.56	72.58	72.49	72.07	72.09	72.10	71.70	71.92	71.91	71.89	71.82	71.87	71.82	72.08	72.30	72.23	72.31	71.81	71.82	71.86	71.88	72.07	71.98	72.07	72.09	72.10	71.95	71.99	71.94	72.05	71.89	72.06	72.12	71.90	72.84	72.76	72.40	72.06	74.86	74.27	74.41	72.57	###	###	73.02	72.57	73.10	73.48	70.52	###	###	66.06	65.86	70.96	70.17	69.28	69.88	70.32	####
rrb32	75.13	75.55	75.12	75.14	75.14	75.15	75.13	75.36	91.01	91.25	91.48	91.51	98.96	99.05	99.30	---	99.14	94.76	78.35	77.26	77.13	77.27	77.63	77.17	77.52	77.52	77.37	77.72	77.28	74.83	75.04	74.95	75.13	75.10	75.30	75.02	75.06	75.02	75.01	75.24	72.68	72.62	72.60	72.58	72.61	72.60	72.64	72.62	72.63	72.53	72.61	72.59	72.32	72.59	72.61	72.60	72.60	72.61	72.59	72.03	72.13	72.18	71.67	71.82	71.81	71.88	71.81	71.81	71.87	72.10	72.24	72.01	72.13	71.75	71.80	71.77	71.81	71.90	71.98	71.96	71.90	71.93	71.84	71.95	71.78	71.91	71.86	71.94	71.92	71.80	72.80	72.74	72.41	71.85	74.91	74.32	74.43	72.44	###	###	73.00	72.59	72.93	73.53	70.76	###	###	66.42	66.36	71.01	70.19	69.58	70.01	70.36	####
rrb104	75.19	75.55	75.10	75.13	75.18	75.10	75.12	75.37	91.08	91.21	91.85	91.50	98.85	99.17	98.98	99.00	---	94.85	78.40	77.31	77.01	77.05	77.53	77.07	77.58	77.51	77.19	77.65	77.27	75.01	75.12	74.98	75.19	75.07	75.50	75.12	75.18	75.01	74.96	75.20	72.50	72.48	72.45	72.49	72.49	72.38	72.44	72.45	72.48	72.46	72.46	72.50	72.23	72.49	72.55	72.52	72.55	72.54	72.51	72.02	72.04	72.07	71.70	71.90	71.85	71.91	71.87	71.90	71.97	72.13	72.29	72.19	72.27	71.81	71.79	71.76	71.79	71.99	71.99	72.08	72.01	72.01	72.02	72.00	71.92	72.03	71.85	72.01	72.01	71.84	72.82	72.80	72.40	71.97	74.95	74.31	74.57	72.41	###	###	73.01	72.56	73.18	73.48	70.70	###	###	66.71	66.61	71.03	69.98	69.43	70.01	70.46	####
rrb33	74.68	75.10	74.74	74.70	74.71	74.72	74.71	74.88	90.30	90.43	90.67	90.88	94.41	94.39	94.41	94.26	94.49	---	77.77	76.87	76.68	76.78	77.10	76.77	77.16	77.10	76.90	77.13	76.95	74.75	74.91	74.78	74.78	74.69	75.10	74.93	74.89	74.63	74.81	74.96	72.31	72.23	72.31	72.30	72.36	72.30	72.27	72.28	72.30	72.31	72.24	72.33	72.07	72.29	72.30	72.27	72.30	72.33	72.34	71.72	71.72	71.78	71.41	71.75	71.72	71.72	71.67	71.69	71.73	71.88	72.08	71.95	72.00	71.63	71.65	71.67	71.63	71.85	71.77	71.83	71.84	71.85	71.69	71.81	71.71	71.81	71.62	71.83	71.93	71.58	72.46	72.40	72.13	71.73	74.51	74.03	74.13	72.12	###	###	72.69	72.30	72.73	73.01	70.44	###	###	66.12	66.01	70.48	69.75	69.11	69.82	70.30	####
rph87	74.69	74.64	74.61	74.55	74.51	74.58	74.73	74.80	78.47	78.50	78.44	78.37	78.10	78.18	78.22	78.23	78.22	77.95	---	77.53	77.42	77.58	78.08	77.53	77.72	77.55	77.46	77.64	77.81	73.82	74.01	73.98	73.97	73.96	74.00	73.98	74.07	74.08	74.00	74.28	72.05	72.02	72.03	72.13	72.06	72.13	72.02	72.02	72.05	72.06	72.01	72.12	71.92	72.11	72.09	72.07	72.08	72.08	72.01	71.70	71.77	71.71	71.30	71.43	71.33	71.38	71.44	71.39	71.45	71.76	71.91	71.79	71.87	71.47	71.36	71.45	71.35	71.60	71.60	71.60	71.60	71.57	71.55	71.58	71.37	71.68	71.47	71.59	71.71	71.49	72.03	72.02	71.67	71.30	74.10	73.93	74.20	72.06	###	###	72.18	71.88	72.39	72.62	70.30	###	###	65.85	65.95	70.46	69.42	68.85	69.30	70.22	####
rg82	74.39	74.38	74.34	74.30	74.30	74.47	74.39	74.50	77.83	77.78	78.02	77.68	77.49	77.61	77.53	77.58	77.72	77.51	78.00	---	98.32	90.12	90.49	90.60	90.71	90.93	90.60	90.89	90.34	73.78	73.93	73.82	73.85	73.76	74.06	73.86	73.91	73.85	73.88	74.06	72.13	72.02	71.98	72.07	72.10	72.04	72.04	72.05	72.10	72.05	72.10	72.03	71.79	72.07	72.04	72.06	72.04	72.05	72.02	71.47	71.48	71.58	71.55	71.61	71.52	71.56	71.59	71.58	71.60	71.73	71.97	71.83	71.93	71.61	71.55	71.61	71.57	71.67	71.70	71.63	71.68	71.64	71.64	71.67	71.65	71.64	71.56	71.71	71.72	71.36	72.26	72.33	72.07	71.67	73.93	73.95	73.89	72.15	###	###	72.48	72.18	72.67	72.68	70.70	###	###	66.18	66.13	71.07	70.00	69.33	69.89	70.60	####
r41	74.69	74.73	74.62	74.60	74.65	74.70	74.66	74.73	77.65	77.67	77.82	77.73	77.62	77.55	77.58	77.64	77.57	77.46	77.99	98.24	---	89.90	90.42	90.54	90.58	90.75	90.46	90.67	90.15	73.98	74.09	74.01	74.03	73.89	74.10	74.00	74.11	74.00	73.98	74.28	72.42	72.38	72.42	72.43	72.44	72.39	72.42	72.40	72.45	72.33	72.38	72.37	72.15	72.38	72.37	72.35	72.36	72.38	72.35	71.83	71.84	71.91	71.71	71.82	71.80	71.80	71.80	71.81	71.79	71.96	72.12	72.10	72.23	71.86	71.82	71.82	71.84	71.90	71.87	71.88	71.90	71.93	71.88	71.88	71.82	71.82	71.77	71.91	71.89	71.76	72.62	72.67	72.41	72.04	74.02	73.87	73.97	72.24	###	###	72.79	72.43	72.81	72.95	70.95	###	###	66.64	66.68	71.26	70.24	69.56	69.92	70.92	####
rrh101	74.36	74.19	74.30	74.31	74.21	74.25	74.22	74.30	77.60	77.66	77.59	77.59	77.30	77.37	77.35	77.39	77.38	77.21	77.95	89.92	89.72	---	95.11	94.04	94.17	94.21	94.26	94.31	94.13	73.86	73.97	73.86	73.93	73.73	73.97	73.93	73.97	73.95	73.94	74.10	72.05	72.01	72.02	72.09	72.00	72.06	72.01	72.00	72.06	71.94	72.07	72.01	71.80	71.96	72.01	72.03	71.98	72.05	71.97	71.58	71.53	71.55	71.24	71.46	71.41	71.41	71.46	71.39	71.44	71.62	71.74	71.69	71.74	71.38	71.31	71.35	71.26	71.55	71.58	71.56	71.56	71.55	71.56	71.52	71.43	71.59	71.50	71.56	71.61	71.53	72.24	72.27	72.00	71.64	73.76	73.64	73.98	72.08	###	###	72.42	71.99	72.49	72.59	70.48	###	###	66.07	66.26	70.75	69.84	69.16	69.88	70.73	####
rrh29	73.87	74.01	73.91	73.88	73.80	73.86	73.90	73.96	77.34	77.38	77.57	77.53	77.19	77.21	77.18	77.20	77.24	77.10	77.88	89.63	89.55	94.15	---	93.82	94.05	93.97	94.04	93.97	93.68	73.50	73.66	73.49	73.58	73.41	73.61	73.59	73.66	73.57	73.45	73.77	71.73	71.75	71.69	71.72	71.75	71.76	71.70	71.68	71.79	71.72	71.89	71.78	71.50	71.76	71.78	71.73	71.80	71.83	71.73	71.36	71.34	71.32	70.99	71.13	71.12	71.09	71.11	71.12	71.13	71.56	71.60	71.45	71.58	71.21	71.11	71.15	71.24	71.45	71.45	71.39	71.44	71.43	71.36	71.49	71.29	71.45	71.37	71.44	71.45	71.25	72.17	72.17	71.72	71.30	73.38	73.26	73.54	71.77	###	###	72.09	71.76	72.12	72.26	70.35	###	###	66.61	66.54	70.64	69.52	69.04	69.74	70.35	####
r37	73.00	72.96	72.97	72.97	72.98	72.95	72.94	73.09	75.94	75.87	76.10	75.86	75.97	75.89	75.72	75.83	75.87	75.66	76.26	87.03	87.23	90.12	90.67	---	94.08	94.02	93.74	94.42	93.92	72.62	72.67	72.65	72.65	72.54	72.80	72.66	72.46	72.69	72.60	72.65	71.43	71.25	71.20	71.26	71.29	71.26	71.24	71.24	71.24	71.14	71.18	71.17	71.01	71.21	71.23	71.18	71.24	71.23	71.16	70.78	70.92	70.86	70.45	70.59	70.57	70.54	70.61	70.52	70.62	70.81	70.79	70.82	70.86	70.57	70.53	70.51	70.62	70.63	70.66	70.61	70.62	70.59	70.56	70.69	70.52	70.64	70.58	70.54	70.62	70.50	71.24	71.27	71.11	70.65	72.66	72.56	72.64	71.14	###	###	71.65	71.01	71.59	71.85	69.97	###	###	65.72	65.76	70.23	69.22	68.57	69.17	69.94	####
r93	74.27	74.20	74.15	74.17	74.21	74.27	74.22	74.36	77.88	77.85	78.08	77.59	77.66	77.76	77.54	77.70	77.91	77.67	78.05	90.49	90.46	94.16	94.95	98.25	---	98.28	98.29	98.45	98.20	73.91	74.07	74.02	74.08	73.81	74.15	74.01	73.94	73.98	73.92	74.07	72.25	72.22	72.13	72.28	72.25	72.21	72.22	72.22	72.24	72.11	72.12	72.17	71.89	72.18	72.26	72.16	72.27	72.20	72.19	71.63	71.72	71.59	71.32	71.43	71.39	71.46	71.48	71.39	71.50	71.77	71.77	71.92	72.01	71.35	71.55	71.35	71.49	71.52	71.65	71.61	71.54	71.63	71.53	71.58	71.41	71.63	71.52	71.56	71.60	71.31	72.23	72.42	71.96	71.59	73.95	73.77	73.92	72.14	###	###	72.53	72.07	72.66	72.85	70.60	###	###	66.37	66.45	70.83	69.69	69.20	69.90	70.85	####
rp88	74.16	74.09	74.05	74.11	74.14	74.16	74.14	74.41	77.84	77.75	77.91	77.51	77.50	77.63	77.34	77.49	77.64	77.44	77.81	90.50	90.41	93.91	94.58	97.98	98.09	---	97.93	98.33	98.16	73.92	74.03	74.00	73.99	73.85	74.14	74.02	73.87	73.86	73.76	73.90	72.24	72.17	72.17	72.26	72.20	72.18	72.17	72.19	72.19	72.11	72.07	72.05	71.77	72.09	72.13	72.09	72.13	72.08	72.10	71.55	71.66	71.56	71.09	71.27	71.34	71.23	71.27	71.20	71.34	71.56	71.63	71.59	71.76	71.24	71.28	71.25	71.37	71.47	71.46	71.39	71.46	71.43	71.35	71.41	71.29	71.46	71.35	71.41	71.44	71.23	72.11	72.21	71.74	71.42	73.71	73.69	73.78	71.93	###	###	72.45	72.06	72.45	72.58	70.53	###	###	66.16	66.24	70.68	69.65	69.33	70.04	70.49	####
rp25	74.57	74.53	74.54	74.53	74.51	74.53	74.51	74.43	77.52	77.54	77.71	77.68	77.48	77.60	77.52	77.53	77.57	77.29	77.81	90.52	90.41	94.26	94.98	98.07	98.32	98.30	---	98.27	97.81	73.82	73.98	74.01	74.01	73.73	74.14	74.02	74.01	73.88	73.91	74.05	72.10	72.07	72.00	72.09	72.08	72.09	72.11	72.10	72.16	72.02	72.10	72.11	71.82	72.09	72.00	72.05	72.01	72.08	71.97	71.72	71.68	71.71	71.18	71.48	71.43	71.42	71.50	71.45	71.45	71.67	71.78	71.65	71.79	71.42	71.33	71.38	71.48	71.50	71.53	71.47	71.50	71.48	71.45	71.52	71.47	71.43	71.47	71.52	71.50	71.46	72.37	72.44	72.18	71.72	73.88	73.80	73.96	72.12	###	###	72.53	72.17	72.78	72.90	70.71	###	###	66.85	67.01	71.04	69.99	69.54	70.19	70.94	####
rp26	74.22	74.14	74.11	74.07	74.09	74.17	74.12	74.30	77.63	77.73	77.97	77.65	77.62	77.89	77.58	77.79	77.81	77.41	77.87	90.55	90.40	94.05	94.60	98.47	98.28	98.42	97.98	---	98.24	73.87	73.88	73.87	73.92	73.79	74.20	74.05	73.82	73.84	73.75	73.99	72.19	72.07	72.05	72.15	72.16	72.08	72.13	72.12	72.08	71.97	71.95	72.00	71.85	72.06	72.08	72.01	72.08	72.00	72.00	71.50	71.54	71.49	71.18	71.38	71.50	71.40	71.38	71.40	71.46	71.60	71.65	71.67	71.73	71.28	71.39	71.26	71.39	71.51	71.58	71.50	71.50	71.50	71.43	71.47	71.35	71.49	71.44	71.48	71.51	71.26	72.29	72.32	71.96	71.50	73.74	73.54	73.73	72.04	###	###	72.67	72.22	72.61	72.89	70.67	###	###	66.13	66.33	70.89	69.88	69.30	69.84	70.67	####
r111	74.12	74.07	74.07	74.04	74.09	74.15	74.09	74.33	77.81	77.75	77.62	77.42	77.39	77.46	77.33	77.36	77.46	77.28	78.15	89.93	89.85	93.86	94.34	97.76	97.84	98.19	97.58	98.12	---	74.07	74.00	74.07	73.94	73.91	74.22	74.06	73.90	73.83	73.76	74.10	72.23	72.13	72.06	72.22	72.19	72.19	72.10	72.10	72.13	72.09	72.04	72.04	71.85	72.09	72.06	72.01	72.05	72.04	72.06	71.57	71.62	71.58	71.25	71.34	71.46	71.37	71.45	71.48	71.51	71.70	71.59	71.62	71.76	71.31	71.35	71.30	71.36	71.47	71.50	71.38	71.45	71.46	71.41	71.44	71.37	71.46	71.39	71.36	71.50	71.39	72.22	72.40	71.94	71.63	73.79	73.72	73.67	72.11	###	###	72.45	72.10	72.63	72.68	70.63	###	###	66.49	66.62	70.75	69.79	69.19	69.82	70.42	####
r44	73.89	73.90	73.84	73.88	73.86	73.95	73.92	73.99	74.27	74.11	74.27	74.23	73.76	73.76	73.90	73.77	73.78	73.75	72.87	72.27	72.41	72.46	72.55	72.42	72.58	72.75	72.59	72.75	72.80	---	98.33	97.47	93.37	93.04	93.46	93.48	93.34	93.24	93.03	89.32	73.24	73.21	73.18	73.25	73.21	73.13	73.13	73.13	73.28	73.10	73.11	73.16	73.00	73.06	73.28	73.16	73.30	73.19	73.23	72.66	72.72	72.62	71.14	71.16	71.28	71.22	71.25	71.18	71.35	71.36	71.52	71.54	71.62	71.16	71.14	71.18	71.19	71.27	71.34	71.26	71.28	71.29	71.20	71.22	71.21	71.32	71.29	71.32	71.35	70.98	71.34	71.39	71.50	71.10	74.41	73.04	73.05	71.27	###	###	71.26	70.94	71.36	71.52	69.17	###	###	65.52	65.46	69.59	69.04	68.12	68.58	69.01	####
rj52	74.42	74.38	74.43	74.41	74.31	74.37	74.38	74.51	74.63	74.58	74.53	74.57	74.04	74.09	74.11	74.06	74.11	74.09	73.40	72.86	72.80	72.98	73.07	72.79	72.96	73.06	72.98	73.08	73.07	99.09	---	98.36	94.26	93.36	94.21	94.25	94.28	94.00	93.86	89.67	73.60	73.62	73.61	73.65	73.62	73.62	73.61	73.60	73.68	73.54	73.62	73.57	73.38	73.57	73.70	73.62	73.71	73.68	73.67	73.05	73.05	73.01	71.64	71.68	71.68	71.65	71.64	71.71	71.79	71.73	71.98	71.93	71.98	71.60	71.62	71.58	71.69	71.69	71.76	71.71	71.72	71.76	71.65	71.78	71.62	71.66	71.67	71.70	71.89	71.50	71.70	71.74	71.80	71.61	74.84	73.62	73.66	71.79	###	###	71.64	71.41	71.70	71.94	69.53	###	###	66.37	66.30	70.07	69.53	68.88	69.30	69.45	####
r43	73.98	73.92	73.89	73.93	73.95	73.96	73.98	74.18	74.28	74.10	74.20	74.13	73.85	73.87	74.00	73.83	73.81	73.69	72.99	72.39	72.39	72.58	72.64	72.52	72.71	72.78	72.72	72.79	72.86	97.54	97.83	---	93.74	92.94	93.86	93.76	93.65	93.71	93.41	89.37	73.55	73.50	73.43	73.46	73.46	73.44	73.41	73.40	73.53	73.33	73.39	73.48	73.28	73.44	73.53	73.41	73.54	73.49	73.50	72.80	72.92	72.76	71.47	71.43	71.51	71.47	71.49	71.47	71.65	71.57	71.70	71.75	71.80	71.40	71.45	71.38	71.47	71.54	71.56	71.57	71.54	71.58	71.50	71.55	71.41	71.52	71.55	71.52	71.61	71.19	71.44	71.42	71.46	71.35	74.48	73.13	73.14	71.36	###	###	71.36	71.15	71.48	71.76	69.22	###	###	65.35	65.28	69.64	69.33	68.49	68.75	69.24	####
ro24	74.18	74.12	74.11	74.13	74.13	74.20	74.17	74.26	74.46	74.27	74.34	74.26	73.94	73.94	73.97	74.10	74.11	73.89	73.14	72.61	72.52	72.78	72.88	72.68	72.86	72.90	72.85	72.95	72.96	93.50	93.63	93.68	---	95.74	97.30	97.24	95.04	93.29	92.94	89.38	73.45	73.43	73.43	73.65	73.38	73.40	73.38	73.37	73.53	73.37	73.31	73.41	73.21	73.39	73.47	73.38	73.47	73.43	73.43	72.99	72.98	72.91	71.47	71.51	71.60	71.45	71.59	71.53	71.66	71.62	71.86	71.76	71.77	71.54	71.52	71.55	71.53	71.56	71.56	71.50	71.56	71.54	71.55	71.52	71.51	71.51	71.57	71.52	71.59	71.32	71.47	71.58	71.72	71.33	74.47	73.27	73.17	71.53	###	###	71.45	71.13	71.59	71.68	69.50	###	###	65.72	65.59	69.83	69.47	68.75	69.07	69.25	####
ri20	74.46	74.40	74.43	74.40	74.39	74.45	74.47	74.58	74.80	74.46	74.64	74.45	74.38	74.32	74.31	74.34	74.33	74.06	73.37	72.77	72.75	72.90	72.92	72.84	73.01	73.09	72.86	73.22	73.23	93.94	93.70	93.76	96.72	---	96.80	96.91	95.02	93.50	93.36	89.61	73.63	73.58	73.61	73.56	73.66	73.62	73.53	73.52	73.70	73.44	73.50	73.59	73.34	73.50	73.68	73.51	73.67	73.57	73.63	73.06	73.06	72.96	71.49	71.63	71.71	71.67	71.66	71.60	71.72	71.61	71.94	71.85	71.96	71.53	71.57	71.48	71.62	71.65	71.79	71.65	71.67	71.78	71.60	71.71	71.53	71.74	71.76	71.71	71.73	71.45	71.82	71.87	71.72	71.38	74.81	73.41	73.40	71.67	###	###	71.66	71.40	71.66	71.97	69.56	###	###	65.71	65.66	69.95	69.60	68.65	69.04	69.42	####
rw47	74.26	74.20	74.18	74.19	74.20	74.23	74.25	74.48	74.75	74.43	74.62	74.46	74.22	74.24	74.13	74.21	74.26	74.19	73.14	72.65	72.66	72.75	72.88	72.83	72.97	73.03	72.80	73.19	73.18	93.54	93.54	93.73	97.26	95.66	---	98.90	95.15	93.31	93.00	89.64	73.66	73.53	73.52	73.81	73.65	73.52	73.50	73.49	73.60	73.49	73.37	73.44	73.29	73.37	73.60	73.43	73.58	73.46	73.66	73.01	72.96	72.96	71.48	71.57	71.62	71.62	71.58	71.52	71.81	71.75	71.91	71.84	72.04	71.48	71.65	71.53	71.67	71.64	71.72	71.66	71.63	71.68	71.59	71.70	71.62	71.69	71.64	71.68	71.74	71.37	71.70	71.82	71.88	71.56	74.68	73.37	73.30	71.60	###	###	71.59	71.18	71.65	71.79	69.57	###	###	65.70	65.69	69.83	69.61	68.83	68.98	69.40	####
ro86	74.41	74.39	74.38	74.38	74.42	74.43	74.44	74.40	74.61	74.43	74.61	74.43	74.21	74.21	74.24	74.10	74.10	74.20	73.29	72.57	72.66	72.82	72.86	72.79	72.97	73.03	72.87	73.15	73.20	94.06	94.11	94.17	97.72	96.53	99.54	---	95.55	93.82	93.52	89.84	73.64	73.61	73.57	73.58	73.62	73.55	73.52	73.52	73.67	73.53	73.54	73.61	73.37	73.44	73.72	73.60	73.71	73.64	73.66	73.11	73.16	73.10	71.57	71.76	71.87	71.77	71.71	71.76	71.82	71.80	71.99	71.92	72.01	71.52	71.57	71.59	71.61	71.66	71.77	71.72	71.67	71.70	71.65	71.71	71.68	71.73	71.70	71.70	71.80	71.41	71.68	71.72	71.73	71.46	74.72	73.45	73.42	71.52	###	###	71.56	71.34	71.71	71.87	69.66	###	###	66.03	65.93	69.89	69.44	68.78	69.23	69.37	####
ro23	74.06	74.05	74.04	74.03	73.97	74.07	74.09	74.32	74.30	74.12	74.18	74.20	73.72	73.75	73.89	73.74	73.79	73.78	73.15	72.40	72.48	72.56	72.70	72.25	72.49	72.58	72.55	72.63	72.65	93.37	93.58	93.53	94.99	94.07	95.16	95.08	---	93.80	93.82	89.59	73.39	73.31	73.30	73.34	73.38	73.31	73.36	73.36	73.36	73.35	73.31	73.35	73.19	73.38	73.38	73.34	73.38	73.33	73.37	72.83	72.86	72.73	71.39	71.43	71.53	71.39	71.43	71.49	71.55	71.60	71.80	71.66	71.72	71.37	71.43	71.42	71.38	71.60	71.58	71.56	71.60	71.54	71.52	71.61	71.43	71.54	71.48	71.51	71.62	71.28	71.64	71.66	71.66	71.34	74.51	73.12	73.12	71.28	###	###	71.40	71.07	71.42	71.62	69.34	###	###	65.95	65.87	69.77	69.34	68.60	68.88	69.07	####
ro85	74.14	74.12	74.10	74.09	74.09	74.12	74.15	74.30	74.34	74.24	74.33	74.17	73.83	73.91	73.95	73.78	73.86	73.69	73.16	72.53	72.51	72.77	72.78	72.48	72.69	72.76	72.63	72.82	72.72	93.46	93.59	93.78	93.38	92.71	93.37	93.43	94.00	---	98.71	89.98	73.41	73.40	73.41	73.41	73.42	73.45	73.39	73.40	73.44	73.35	73.27	73.36	73.16	73.31	73.40	73.36	73.40	73.37	73.44	72.95	72.96	72.86	71.48	71.49	71.53	71.51	71.53	71.53	71.63	71.68	71.83	71.83	71.87	71.44	71.43	71.54	71.55	71.64	71.62	71.59	71.66	71.59	71.63	71.61	71.53	71.59	71.66	71.67	71.70	71.34	71.44	71.63	71.49	71.18	74.36	73.21	73.12	71.36	###	###	71.37	71.20	71.44	71.67	69.52	###	###	66.10	65.96	69.92	69.36	68.82	68.94	69.39	####
rw96	73.84	73.84	73.87	73.83	73.83	73.86	73.81	73.92	74.11	73.93	74.08	73.93	73.64	73.64	73.75	73.62	73.63	73.52	72.83	72.18	72.17	72.36	72.43	72.20	72.41	72.42	72.37	72.44	72.43	92.55	92.75	92.91	92.40	91.88	92.41	92.53	93.35	97.99	---	89.27	73.17	73.08	73.04	73.05	73.10	73.03	72.99	72.98	73.08	73.04	73.05	73.08	72.81	73.04	73.15	73.08	73.17	73.10	73.10	72.66	72.69	72.55	71.28	71.29	71.32	71.19	71.25	71.32	71.40	71.37	71.64	71.55	71.54	71.23	71.34	71.32	71.35	71.41	71.38	71.35	71.42	71.40	71.33	71.35	71.27	71.33	71.42	71.36	71.45	71.03	71.33	71.43	71.39	71.23	74.22	72.91	72.85	71.13	###	###	71.21	70.99	71.32	71.35	69.22	###	###	65.69	65.55	69.70	69.09	68.64	68.82	69.03	####
ro22	74.63	74.52	74.59	74.58	74.53	74.58	74.61	74.72	74.73	74.64	74.75	74.64	74.38	74.33	74.49	74.38	74.32	74.31	73.72	73.01	72.97	73.14	73.13	72.83	73.07	73.07	73.15	73.15	73.20	89.88	89.78	89.99	89.95	89.36	90.12	89.97	90.29	90.47	90.49	---	73.77	73.69	73.75	73.69	73.74	73.71	73.72	73.71	73.79	73.65	73.70	73.70	73.50	73.67	73.71	73.72	73.72	73.75	73.68	73.16	73.14	73.17	71.80	71.89	71.90	71.86	71.89	71.91	72.00	72.06	72.32	72.19	72.23	71.89	71.89	71.95	71.89	71.98	72.08	72.04	72.01	72.08	72.06	72.09	71.89	71.96	71.97	72.05	72.20	71.59	72.15	72.16	72.03	71.73	74.93	73.77	73.84	71.81	###	###	71.90	71.70	71.95	72.12	69.99	###	###	66.62	66.76	70.34	69.64	69.34	69.43	69.74	####
rey16	72.87	72.85	72.85	72.84	72.83	72.84	72.81	73.08	72.23	72.21	72.16	72.22	72.21	72.13	72.16	72.16	72.08	72.03	71.95	71.55	71.51	71.69	71.65	71.68	71.77	71.79	71.64	71.85	71.88	73.99	74.12	74.08	73.97	73.93	74.22	73.98	74.05	74.03	74.08	73.98	---	97.90	97.82	97.86	98.02	97.09	97.77	97.77	97.42	94.87	95.03	94.81	94.72	94.80	95.13	95.00	95.16	94.96	95.15	80.13	80.11	80.10	70.96	71.09	71.17	71.11	71.11	71.02	71.11	71.32	71.39	71.33	71.43	71.11	71.11	71.03	71.10	71.26	71.35	71.37	71.27	71.31	71.33	71.39	71.18	71.40	71.41	71.33	71.42	71.17	70.93	71.02	70.96	70.91	72.92	72.15	71.99	70.69	###	###	70.75	70.33	70.91	70.64	69.16	###	###	66.03	66.16	69.52	69.08	67.99	68.38	69.49	####
rq27	72.94	72.91	72.93	72.91	72.93	72.92	72.99	73.16	72.35	72.24	72.35	72.29	72.30	72.33	72.30	72.32	72.24	72.11	72.01	71.81	71.83	71.88	71.88	71.71	71.90	71.95	71.86	71.96	71.91	74.07	74.26	74.18	74.13	74.07	74.22	74.17	74.16	74.21	74.16	74.19	98.17	---	98.69	98.61	98.50	97.85	98.45	98.45	98.02	95.08	95.05	94.99	94.95	95.14	95.26	95.14	95.26	95.15	95.20	80.32	80.32	80.38	71.17	71.30	71.34	71.30	71.33	71.27	71.35	71.39	71.56	71.52	71.55	71.17	71.17	71.14	71.33	71.34	71.37	71.41	71.36	71.35	71.33	71.36	71.31	71.41	71.36	71.30	71.39	71.20	70.98	70.96	71.05	70.88	73.08	72.34	72.05	70.63	###	###	70.65	70.46	70.85	70.79	69.25	###	###	65.72	66.02	69.23	68.80	68.19	68.37	69.56	####
rey98	72.94	72.89	72.92	72.90	72.95	72.94	72.92	73.19	72.54	72.43	72.45	72.49	72.39	72.45	72.44	72.39	72.36	72.20	72.13	71.77	71.73	71.91	71.97	71.69	72.01	72.01	71.87	72.06	72.03	74.00	74.31	74.22	74.19	74.11	74.25	74.13	74.28	74.29	74.23	74.26	97.77	98.34	---	98.18	98.27	97.34	97.97	97.97	97.87	94.73	94.73	94.73	94.62	94.77	94.82	94.89	94.85	94.88	94.81	80.27	80.24	80.19	71.31	71.36	71.50	71.41	71.34	71.35	71.43	71.42	71.64	71.51	71.68	71.34	71.22	71.28	71.40	71.42	71.58	71.49	71.43	71.44	71.36	71.53	71.36	71.49	71.44	71.59	71.69	71.25	71.30	71.40	71.04	71.04	73.12	72.35	72.08	70.90	###	###	70.73	70.62	71.11	71.00	69.45	###	###	66.50	66.46	69.48	69.12	68.41	68.68	69.69	####
rey57	73.02	72.99	73.01	72.99	72.98	72.96	72.98	73.05	72.44	72.39	72.42	72.38	72.46	72.39	72.34	72.39	72.31	72.19	72.16	71.72	71.68	71.83	71.78	71.80	71.92	72.01	71.78	72.05	72.06	74.13	74.28	74.22	74.33	74.03	74.51	74.11	74.14	74.18	74.16	74.15	97.94	98.43	98.29	---	98.42	97.49	98.22	98.23	97.86	94.96	94.84	94.81	94.66	94.78	94.93	94.89	94.94	94.85	95.00	80.15	80.20	80.13	71.26	71.41	71.46	71.34	71.39	71.28	71.39	71.54	71.78	71.44	71.64	71.45	71.25	71.27	71.32	71.51	71.54	71.54	71.51	71.48	71.46	71.47	71.35	71.60	71.49	71.56	71.68	71.33	71.11	71.14	70.98	70.88	73.03	72.38	72.06	70.82	###	###	70.82	70.53	71.18	70.94	69.06	###	###	65.87	65.95	69.26	69.08	67.92	68.49	69.61	####
rq89	73.01	72.96	72.97	72.97	72.94	72.92	72.93	73.07	72.38	72.34	72.43	72.36	72.44	72.52	72.30	72.32	72.26	72.29	71.98	71.65	71.66	71.75	71.79	71.70	71.89	71.87	71.76	72.01	71.91	74.03	74.14	74.08	74.01	74.01	74.29	74.06	74.07	74.13	74.04	74.14	98.01	98.23	98.27	98.31	---	97.38	98.06	98.05	97.73	94.85	94.79	94.71	94.70	94.74	94.84	94.87	94.96	94.77	94.91	80.00	79.98	79.96	71.24	71.42	71.29	71.18	71.39	71.21	71.40	71.50	71.68	71.31	71.41	71.41	71.11	71.05	71.18	71.58	71.59	71.68	71.58	71.34	71.51	71.74	71.41	71.66	71.69	71.54	71.65	71.48	70.88	71.03	70.85	70.75	72.96	72.27	72.05	70.72	###	###	70.89	70.42	71.06	70.73	69.10	###	###	65.97	65.98	69.30	69.09	68.03	68.49	69.54	####
rey58	73.02	72.90	72.98	72.99	72.96	72.94	72.94	73.16	72.41	72.31	72.32	72.36	72.36	72.34	72.38	72.33	72.24	72.28	72.16	71.69	71.80	71.78	71.78	71.65	71.86	71.86	71.77	71.89	71.93	74.07	74.26	74.18	74.15	74.14	74.23	74.11	74.23	74.24	74.16	74.11	97.20	97.72	97.51	97.53	97.57	---	97.45	97.45	97.49	95.71	95.84	95.74	95.67	95.95	96.05	95.86	96.05	95.93	96.03	80.26	80.32	80.27	71.22	71.32	71.40	71.30	71.30	71.21	71.36	71.38	71.60	71.40	71.51	71.27	71.15	71.24	71.29	71.45	71.41	71.50	71.44	71.39	71.44	71.53	71.35	71.50	71.73	71.38	71.57	71.19	71.29	71.20	71.17	70.96	73.02	72.33	72.14	70.74	###	###	70.67	70.46	71.04	70.78	69.50	###	###	65.91	65.92	69.59	69.16	68.10	68.20	69.52	####
rq90	72.92	72.86	72.91	72.89	72.88	72.92	72.93	73.06	72.35	72.23	72.24	72.33	72.36	72.31	72.29	72.28	72.20	72.10	71.96	71.77	71.85	71.82	71.81	71.71	71.88	71.88	71.80	72.00	71.94	73.97	74.18	74.10	74.07	73.89	74.17	73.97	74.09	74.14	74.09	74.07	97.88	98.37	98.16	98.24	98.19	97.42	---	99.98	97.82	94.84	94.85	94.95	94.74	94.89	95.07	95.01	95.06	95.09	95.07	80.26	80.21	80.34	71.07	71.30	71.28	71.29	71.28	71.18	71.31	71.39	71.62	71.26	71.50	71.15	71.07	71.10	71.18	71.31	71.43	71.33	71.32	71.19	71.19	71.33	71.15	71.48	71.34	71.35	71.47	71.12	70.95	70.99	71.01	70.97	73.03	72.27	71.94	70.58	###	###	70.75	70.45	70.99	70.72	69.19	###	###	65.86	65.93	69.41	68.93	67.86	68.24	69.70	####
r60	72.83	72.81	72.84	72.85	72.85	72.90	72.88	72.95	72.29	72.17	72.25	72.29	72.42	72.32	72.33	72.36	72.26	72.13	71.80	71.65	71.81	71.70	71.72	71.62	71.77	71.83	71.71	71.92	71.80	73.92	74.09	74.02	73.99	73.95	74.12	73.97	74.05	74.14	74.14	74.08	97.90	98.42	98.19	98.28	98.23	97.42	99.99	---	97.83	94.86	94.90	94.98	94.84	94.89	95.10	95.02	95.10	95.09	95.11	80.16	80.18	80.32	71.04	71.26	71.30	71.28	71.23	71.12	71.30	71.33	71.56	71.33	71.49	71.17	71.07	71.15	71.15	71.31	71.38	71.29	71.32	71.16	71.17	71.25	71.10	71.41	71.26	71.31	71.44	71.09	70.92	70.95	70.92	70.84	73.03	72.23	71.95	70.56	###	###	70.62	70.33	70.96	70.75	69.13	###	###	65.60	65.62	69.46	68.95	67.74	68.21	69.48	####
r105	73.09	73.03	73.02	73.01	73.03	73.01	73.03	73.15	72.46	72.45	72.45	72.43	72.42	72.40	72.46	72.45	72.32	72.28	72.21	71.82	71.96	71.99	71.97	71.88	72.04	72.05	71.98	72.14	72.11	74.28	74.45	74.37	74.27	74.20	74.32	74.24	74.32	74.34	74.25	74.27	97.71	98.04	98.16	98.06	98.08	97.65	98.03	98.03	---	94.85	94.93	94.88	94.78	94.92	94.97	95.02	95.02	95.01	95.07	80.26	80.29	80.26	71.25	71.35	71.43	71.38	71.37	71.33	71.41	71.40	71.62	71.55	71.70	71.23	71.33	71.26	71.35	71.32	71.39	71.35	71.32	71.27	71.22	71.31	71.25	71.37	71.38	71.30	71.41	71.31	70.99	71.04	71.12	70.92	73.02	72.30	72.17	70.67	###	###	70.72	70.51	71.03	70.80	69.36	###	###	66.00	65.92	69.43	69.27	67.98	68.48	69.58	####
rey18	73.15	73.07	73.17	73.15	73.09	73.21	73.26	73.32	72.47	72.49	72.43	72.45	72.50	72.44	72.56	72.46	72.38	72.33	72.27	71.99	71.99	72.06	72.05	71.83	72.06	72.18	72.00	72.16	72.14	74.09	74.36	74.20	74.23	73.91	74.38	74.18	74.37	74.29	74.28	74.28	94.97	95.02	94.85	95.02	94.96	95.68	94.86	94.86	94.71	---	98.03	98.18	98.01	98.30	98.20	98.19	98.21	98.22	98.21	80.58	80.37	80.53	71.40	71.58	71.57	71.51	71.67	71.53	71.71	71.69	71.98	71.68	71.75	71.57	71.43	71.40	71.45	71.58	71.62	71.65	71.60	71.52	71.52	71.73	71.47	71.58	71.45	71.59	71.74	71.54	71.41	71.38	71.24	71.22	73.23	72.62	72.25	71.00	###	###	71.01	70.74	71.26	70.99	69.58	###	###	66.69	66.79	69.67	69.33	68.58	68.99	69.86	####
rey59	73.04	73.00	73.02	73.01	72.98	73.02	72.99	73.25	72.39	72.39	72.31	72.38	72.35	72.32	72.42	72.39	72.28	72.14	72.12	71.71	71.75	71.85	71.85	71.58	71.80	71.87	71.85	71.86	71.87	73.92	74.20	74.08	74.09	73.88	74.19	74.10	74.17	74.11	74.08	74.22	95.06	94.99	94.83	94.83	94.89	95.74	94.80	94.80	94.71	98.04	---	98.25	97.85	97.99	98.49	98.31	98.51	98.46	98.48	80.35	80.24	80.21	71.31	71.31	71.30	71.32	71.34	71.34	71.36	71.50	71.65	71.45	71.62	71.38	71.30	71.29	71.34	71.37	71.43	71.45	71.37	71.40	71.32	71.55	71.22	71.33	71.31	71.46	71.50	71.37	71.25	71.16	71.24	71.03	73.00	72.35	72.09	70.79	###	###	70.63	70.50	70.98	70.76	69.46	###	###	66.35	66.27	69.44	69.22	68.34	68.77	69.84	####
r107	73.01	72.96	72.96	72.97	72.96	72.93	72.95	73.16	72.47	72.45	72.43	72.40	72.37	72.33	72.38	72.36	72.33	72.37	71.98	71.81	71.89	71.82	71.87	71.70	71.91	71.92	71.92	71.97	71.93	74.09	74.26	74.22	74.14	74.05	74.27	74.19	74.18	74.16	74.17	74.20	95.09	95.02	95.01	95.05	94.96	95.85	95.09	95.09	94.89	98.43	98.46	---	98.11	98.47	98.33	98.54	98.37	98.43	98.43	80.54	80.44	80.51	71.19	71.24	71.32	71.25	71.29	71.26	71.26	71.39	71.56	71.37	71.43	71.19	71.16	71.18	71.19	71.32	71.33	71.40	71.33	71.36	71.26	71.40	71.31	71.35	71.32	71.38	71.45	71.21	71.06	70.94	71.09	70.85	73.01	72.26	72.04	70.74	###	###	70.75	70.34	70.84	70.84	69.24	###	###	65.87	65.90	69.13	69.00	68.02	68.29	69.66	####
r40	73.03	73.00	73.01	73.00	72.96	72.98	72.96	73.08	72.36	72.34	72.37	72.33	72.31	72.33	72.38	72.39	72.35	72.21	72.07	71.79	71.90	71.92	71.87	71.62	71.79	71.85	71.82	71.97	71.89	74.11	74.26	74.20	74.13	73.98	74.29	74.17	74.15	74.21	74.14	74.17	95.31	95.34	95.29	95.25	95.31	96.04	95.26	95.25	95.14	98.57	98.47	98.47	---	98.61	98.58	98.45	98.60	98.53	98.62	80.43	80.22	80.34	71.11	71.25	71.33	71.31	71.28	71.28	71.29	71.50	71.65	71.59	71.59	71.21	71.18	71.24	71.18	71.36	71.38	71.47	71.36	71.44	71.41	71.42	71.25	71.45	71.38	71.40	71.46	71.42	71.02	70.90	71.05	70.92	73.10	72.25	72.03	70.70	###	###	70.75	70.40	70.88	70.71	69.27	###	###	65.54	65.56	69.29	68.89	67.99	68.37	69.60	####
rey19	72.89	72.93	72.97	72.96	72.96	72.94	72.96	73.16	72.42	72.36	72.41	72.41	72.38	72.37	72.42	72.44	72.35	72.22	72.08	71.81	71.76	71.78	71.85	71.66	71.85	71.90	71.90	71.96	71.92	73.93	74.11	74.07	74.03	73.92	74.12	74.01	74.15	74.13	74.15	74.18	95.07	95.21	95.09	95.03	95.06	96.12	95.08	95.07	94.98	98.47	98.22	98.46	98.23	---	98.28	98.24	98.29	98.29	98.25	80.68	80.63	80.53	71.23	71.26	71.38	71.29	71.31	71.24	71.37	71.44	71.67	71.50	71.65	71.23	71.14	71.19	71.26	71.31	71.31	71.47	71.33	71.31	71.25	71.39	71.18	71.35	71.46	71.33	71.38	71.22	71.04	71.04	71.00	70.89	72.98	72.26	72.17	70.84	###	###	70.75	70.64	70.97	70.82	69.32	###	###	65.85	65.93	69.43	69.13	68.00	68.53	69.64	####
rey17	73.10	73.00	73.06	73.04	73.04	72.97	72.99	73.14	72.52	72.41	72.48	72.41	72.36	72.42	72.45	72.44	72.40	72.26	72.16	71.74	71.87	71.89	71.90	71.76	71.93	72.01	71.89	72.04	72.00	74.14	74.33	74.20	74.20	74.02	74.38	74.26	74.26	74.23	74.27	74.23	95.27	95.17	94.98	95.04	95.02	96.02	95.10	95.10	94.89	98.25	98.61	98.22	98.06	98.13	---	98.40	99.98	98.52	99.95	80.30	80.23	80.31	71.27	71.25	71.38	71.36	71.27	71.34	71.36	71.33	71.63	71.57	71.60	71.14	71.16	71.13	71.21	71.31	71.39	71.38	71.32	71.41	71.29	71.42	71.28	71.31	71.35	71.49	71.49	71.29	71.14	71.22	71.10	71.01	73.06	72.40	72.15	70.88	###	###	70.73	70.63	71.04	70.86	69.43	###	###	66.61	66.59	69.55	69.39	68.39	68.83	69.62	####
rey15	73.10	73.11	73.12	73.11	73.15	73.09	73.06	73.23	72.50	72.45	72.46	72.46	72.34	72.39	72.48	72.43	72.40	72.31	72.17	71.79	71.99	71.86	71.88	71.60	71.82	71.90	71.81	71.96	71.94	74.02	74.30	74.19	74.23	74.01	74.40	74.21	74.28	74.24	74.24	74.30	95.24	95.16	95.13	95.06	95.15	95.98	95.17	95.16	95.04	98.31	98.51	98.48	98.05	98.24	98.48	---	98.53	98.58	98.60	80.52	80.21	80.26	71.33	71.54	71.47	71.45	71.47	71.49	71.51	71.62	71.79	71.71	71.77	71.43	71.42	71.53	71.36	71.46	71.64	71.58	71.47	71.63	71.50	71.61	71.44	71.57	71.56	71.61	71.66	71.44	71.31	71.34	71.27	71.23	73.11	72.46	72.22	71.04	###	###	70.87	70.72	71.14	70.91	69.41	###	###	66.69	66.77	69.65	69.34	68.60	68.95	69.81	####
ro84	72.91	72.86	72.92	72.90	72.88	72.88	72.88	73.01	72.34	72.23	72.29	72.20	72.29	72.20	72.29	72.21	72.15	72.07	71.96	71.54	71.53	71.73	71.72	71.55	71.75	71.86	71.66	71.95	71.86	74.17	74.33	74.24	74.17	74.09	74.37	74.30	74.22	74.22	74.23	74.15	95.15	95.08	94.88	94.97	94.93	95.96	94.93	95.02	94.82	98.11	98.51	98.15	97.99	98.03	99.85	98.31	---	98.44	99.84	80.31	80.27	80.28	71.27	71.30	71.37	71.32	71.29	71.31	71.28	71.28	71.54	71.46	71.46	71.20	71.15	71.07	71.16	71.36	71.30	71.31	71.35	71.30	71.33	71.27	71.24	71.31	71.22	71.31	71.37	71.22	70.95	70.94	71.07	70.82	73.00	72.28	72.02	70.66	###	###	70.40	70.27	70.74	70.66	69.11	###	###	66.01	65.88	69.14	68.92	67.99	68.34	69.50	####
rey99	72.98	72.95	73.02	72.96	72.96	72.94	72.95	73.12	72.49	72.49	72.43	72.39	72.39	72.41	72.42	72.39	72.35	72.22	72.11	71.75	71.85	71.91	71.85	71.60	71.83	71.88	71.80	71.86	71.91	74.13	74.35	74.31	74.27	74.17	74.41	74.33	74.35	74.23	74.24	74.36	95.21	95.20	95.15	95.10	95.13	96.05	95.21	95.21	95.02	98.37	98.70	98.40	98.10	98.29	98.62	98.62	98.67	---	98.74	80.51	80.37	80.42	71.19	71.24	71.28	71.26	71.33	71.30	71.29	71.39	71.57	71.45	71.54	71.15	71.20	71.12	71.12	71.29	71.33	71.36	71.28	71.37	71.20	71.40	71.21	71.22	71.22	71.34	71.44	71.30	71.17	71.17	71.15	70.98	73.06	72.38	72.22	70.77	###	###	70.69	70.52	70.98	70.83	69.49	###	###	66.41	66.43	69.46	69.18	68.29	68.44	69.72	####
rrh30	72.83	72.79	72.83	72.82	72.83	72.76	72.80	72.97	72.23	72.14	72.15	72.09	72.19	72.12	72.10	72.10	72.06	72.00	71.83	71.44	71.43	71.43	71.59	71.38	71.56	71.64	71.54	71.72	71.71	73.96	74.15	74.04	73.97	73.82	74.20	74.00	74.02	74.05	74.06	74.01	94.99	94.84	94.64	94.83	94.83	95.71	94.88	94.87	94.66	97.92	98.26	98.03	97.80	97.77	99.58	98.22	99.61	98.35	---	80.45	80.19	80.22	71.00	71.36	71.24	71.17	71.15	71.17	71.20	71.26	71.49	71.25	71.38	71.11	71.03	71.16	71.12	71.23	71.19	71.20	71.24	71.24	71.20	71.24	71.14	71.24	71.15	71.24	71.30	71.30	70.89	70.89	71.03	70.87	72.90	72.10	71.96	70.58	###	###	70.55	70.11	70.83	70.60	69.18	###	###	65.81	65.90	69.21	68.92	67.86	68.18	69.49	####
r113	72.62	72.49	72.50	72.50	72.51	72.56	72.54	72.91	71.87	71.83	71.81	71.89	71.74	71.71	71.83	71.75	71.70	71.53	71.56	71.18	71.12	71.26	71.28	71.03	71.20	71.18	71.25	71.29	71.28	73.39	73.59	73.52	73.58	73.47	73.60	73.56	73.63	73.67	73.62	73.59	80.09	80.20	80.15	80.03	80.01	80.07	80.11	80.11	80.18	80.29	80.21	80.41	80.07	80.46	80.21	80.28	80.25	80.27	80.34	---	97.81	98.00	70.81	70.91	70.83	70.75	70.80	70.76	70.85	71.00	71.10	71.09	71.19	70.75	70.90	70.92	70.79	70.89	70.89	70.95	70.91	70.96	70.89	70.94	70.74	70.94	70.89	70.87	70.98	70.82	70.58	70.57	70.69	70.50	72.50	71.91	71.67	70.54	###	###	70.21	70.24	70.61	70.42	69.00	###	###	65.88	65.97	68.90	68.62	67.96	68.22	69.32	####
r108	72.48	72.41	72.41	72.38	72.36	72.41	72.38	72.82	71.83	71.76	71.83	71.78	71.70	71.72	71.67	71.69	71.68	71.45	71.65	71.02	71.01	71.10	71.17	71.09	71.23	71.24	71.08	71.31	71.21	73.42	73.53	73.50	73.43	73.32	73.55	73.55	73.54	73.58	73.58	73.44	80.09	80.17	80.14	80.11	80.03	80.18	80.12	80.12	80.16	80.16	80.10	80.36	79.91	80.47	80.18	80.00	80.23	80.14	80.20	97.78	---	98.44	70.83	70.85	70.84	70.79	70.82	70.81	70.93	70.90	71.24	71.07	71.17	70.86	70.88	70.90	70.83	70.87	70.94	70.93	70.90	70.96	70.92	70.93	70.76	70.89	70.85	70.98	71.00	70.78	70.65	70.58	70.62	70.53	72.40	71.86	71.62	70.52	###	###	70.18	69.98	70.61	70.27	69.16	###	###	66.10	66.05	68.93	68.77	68.05	68.23	69.24	####
rrh92	72.40	72.45	72.44	72.41	72.39	72.43	72.42	72.74	71.68	71.61	71.61	71.61	71.71	71.64	71.75	71.71	71.67	71.42	71.53	70.98	71.01	71.10	71.14	70.89	71.07	71.09	71.11	71.10	71.08	73.25	73.39	73.29	73.41	73.25	73.45	73.42	73.43	73.44	73.33	73.44	80.09	80.23	80.07	79.93	80.03	80.15	80.20	80.18	80.10	80.29	80.10	80.30	79.99	80.36	80.18	80.00	80.20	80.23	80.18	97.82	98.27	---	70.70	70.65	70.64	70.62	70.65	70.62	70.72	70.83	71.17	70.86	70.96	70.56	70.56	70.64	70.55	70.78	70.68	70.74	70.79	70.77	70.76	70.76	70.64	70.76	70.65	70.81	70.85	70.62	70.55	70.48	70.55	70.28	72.37	71.77	71.53	70.21	###	###	70.07	69.98	70.45	70.24	68.58	###	###	66.03	66.05	68.83	68.60	67.61	68.09	69.05	####
rf61	72.17	72.17	72.21	72.19	72.16	72.16	72.20	72.42	71.76	71.82	71.79	71.89	71.75	71.73	71.88	71.82	71.79	71.60	71.37	71.32	71.37	71.22	71.27	70.99	71.24	71.28	71.25	71.26	71.21	72.21	72.42	72.34	72.43	72.16	72.40	72.32	72.49	72.40	72.42	72.52	71.30	71.31	71.34	71.34	71.29	71.44	71.39	71.28	71.29	71.35	71.36	71.39	71.29	71.32	71.37	71.35	71.36	71.39	71.39	71.04	71.01	71.01	---	94.22	93.47	93.93	94.09	94.06	94.37	76.32	75.42	76.56	75.06	75.57	75.96	74.93	75.28	76.31	75.02	75.18	76.28	76.36	76.56	76.62	76.50	75.05	75.07	74.97	75.19	75.29	71.96	71.84	72.13	72.11	72.27	71.97	71.74	70.73	###	###	70.92	70.56	70.93	71.02	69.49	###	###	65.76	65.88	69.54	69.17	68.22	68.46	69.55	####
rf70	72.16	72.20	72.21	72.20	72.17	72.22	72.18	72.39	71.89	71.89	71.88	71.92	71.88	71.84	71.91	71.89	71.85	71.72	71.49	71.38	71.39	71.30	71.38	71.13	71.43	71.44	71.44	71.45	71.39	72.14	72.35	72.32	72.50	72.27	72.46	72.40	72.57	72.44	72.37	72.70	71.42	71.35	71.31	71.41	71.60	71.49	71.33	71.34	71.39	71.42	71.37	71.35	71.28	71.31	71.36	71.49	71.37	71.34	71.54	71.07	71.00	71.01	94.32	---	98.08	98.80	98.84	98.57	98.25	76.53	75.61	76.67	75.29	75.38	76.11	75.07	75.31	76.46	75.25	75.36	76.40	76.62	76.68	76.72	76.76	75.23	75.37	75.32	75.46	75.58	72.13	72.07	72.44	72.34	72.46	71.93	71.89	70.94	###	###	71.01	70.93	71.30	71.13	69.53	###	###	66.04	66.06	69.87	69.27	68.32	68.98	69.72	####
r36	72.24	72.32	72.30	72.25	72.29	72.28	72.20	72.36	71.97	71.96	71.93	72.02	71.93	71.87	71.98	71.93	71.87	71.75	71.53	71.40	71.41	71.37	71.41	71.32	71.42	71.51	71.51	71.55	71.42	72.34	72.44	72.47	72.51	72.41	72.61	72.53	72.60	72.48	72.39	72.65	71.54	71.52	71.55	71.54	71.57	71.56	71.52	71.52	71.51	71.45	71.46	71.50	71.40	71.49	71.48	71.52	71.49	71.52	71.47	71.11	71.10	71.13	93.75	98.17	---	98.27	98.07	98.20	97.64	75.20	75.43	75.24	75.21	75.06	74.99	74.99	75.01	75.07	75.06	75.04	75.09	75.20	75.10	75.02	75.09	75.12	75.04	75.08	75.08	75.05	72.23	72.14	72.44	72.39	72.66	71.96	71.94	70.94	###	###	71.11	70.77	71.38	71.24	69.55	###	###	65.80	66.05	69.90	69.36	68.38	68.78	69.65	####
r35	72.20	72.28	72.26	72.22	72.27	72.19	72.18	72.40	71.93	71.94	72.00	71.97	72.00	71.94	72.07	71.99	71.99	71.84	71.49	71.28	71.21	71.28	71.39	71.11	71.38	71.33	71.36	71.39	71.29	72.28	72.39	72.39	72.50	72.38	72.61	72.47	72.57	72.42	72.38	72.64	71.37	71.42	71.47	71.46	71.43	71.51	71.45	71.44	71.48	71.42	71.38	71.42	71.35	71.45	71.43	71.44	71.42	71.45	71.41	70.99	71.03	71.04	94.14	98.89	98.24	---	98.87	98.93	98.33	75.24	75.26	75.14	75.19	74.92	74.91	74.85	74.97	74.92	74.95	74.92	74.91	74.97	74.97	74.88	74.94	74.86	74.94	74.95	74.95	74.93	72.16	71.96	72.28	72.20	72.47	71.96	71.85	70.98	###	###	71.01	70.86	71.34	71.26	69.48	###	###	65.93	66.02	69.74	69.40	68.22	68.67	69.75	####
rf64	72.31	72.26	72.28	72.26	72.20	72.28	72.24	72.52	71.87	71.89	71.94	71.92	71.99	71.87	71.94	71.95	71.88	71.80	71.48	71.51	71.52	71.45	71.46	71.23	71.42	71.41	71.44	71.50	71.46	72.27	72.46	72.45	72.62	72.30	72.56	72.40	72.52	72.51	72.41	72.67	71.47	71.47	71.42	71.48	71.71	71.55	71.45	71.46	71.50	71.51	71.50	71.48	71.34	71.43	71.43	71.49	71.42	71.49	71.43	70.98	71.06	70.99	94.18	98.88	98.00	98.77	---	98.61	98.15	77.20	75.57	76.40	75.28	75.38	76.35	75.01	75.29	76.49	74.99	75.02	76.47	76.74	76.75	76.50	76.51	74.98	75.00	75.04	75.02	75.47	72.16	72.08	72.36	72.34	72.43	71.94	71.92	71.06	###	###	71.05	70.92	71.24	71.17	69.63	###	###	65.89	65.94	69.70	69.31	68.35	68.73	69.79	####
rf69	72.11	72.15	72.10	72.11	72.12	72.14	72.12	72.45	71.82	71.80	71.85	71.87	71.65	71.70	71.83	71.78	71.74	71.60	71.41	71.35	71.18	71.31	71.30	71.04	71.34	71.28	71.31	71.41	71.35	72.16	72.36	72.26	72.38	72.16	72.38	72.25	72.47	72.34	72.33	72.48	71.23	71.37	71.28	71.32	71.35	71.34	71.26	71.24	71.32	71.33	71.32	71.35	71.26	71.32	71.34	71.37	71.35	71.31	71.31	70.93	70.98	70.98	94.03	98.47	98.01	98.62	98.42	---	97.99	76.16	75.13	76.55	75.12	74.91	75.98	74.77	75.07	75.97	74.77	74.75	75.89	76.12	76.05	76.12	76.37	74.71	74.72	74.77	74.83	75.22	71.98	72.04	72.27	72.18	72.39	71.92	71.69	71.04	###	###	70.86	70.67	71.15	71.01	69.68	###	###	65.73	65.78	69.73	69.27	68.26	68.76	69.71	####
rf65	72.30	72.27	72.31	72.27	72.31	72.32	72.28	72.52	71.92	71.84	71.94	71.85	71.95	71.93	71.96	71.94	71.85	71.74	71.46	71.40	71.46	71.39	71.44	71.27	71.51	71.52	71.43	71.57	71.54	72.41	72.62	72.61	72.60	72.35	72.60	72.50	72.59	72.64	72.58	72.67	71.44	71.48	71.44	71.40	71.64	71.39	71.41	71.41	71.43	71.45	71.43	71.38	71.30	71.38	71.40	71.40	71.40	71.39	71.43	71.07	71.14	71.00	94.37	98.20	97.41	98.12	98.00	98.08	---	76.67	75.51	76.59	75.17	75.23	76.14	74.91	75.37	76.36	75.04	75.19	76.32	76.41	76.60	76.57	76.82	75.03	75.08	75.03	75.09	75.46	72.40	72.32	72.42	72.46	72.60	72.07	72.00	71.10	###	###	71.13	70.99	71.38	71.22	69.56	###	###	65.78	65.90	69.96	69.53	68.38	68.86	69.81	####
rf75	72.69	72.69	72.74	72.72	72.70	72.71	72.72	72.94	72.21	72.13	72.19	72.25	72.19	72.10	72.22	72.20	72.12	72.09	71.92	71.68	71.73	71.83	71.92	71.70	71.84	71.79	71.84	71.86	71.82	72.49	72.68	72.60	72.74	72.46	72.78	72.69	72.67	72.63	72.59	72.81	71.57	71.55	71.52	71.58	71.79	71.57	71.60	71.59	71.56	71.58	71.61	71.61	71.50	71.54	71.62	71.63	71.62	71.60	71.69	71.21	71.09	71.15	76.46	76.59	75.28	75.32	77.23	76.25	76.77	---	91.64	90.83	90.53	86.84	87.35	86.79	86.89	84.78	84.00	83.90	84.75	84.64	84.66	84.63	84.75	83.97	83.97	84.00	83.94	85.52	72.54	72.60	72.69	72.56	72.98	72.30	72.12	71.21	###	###	71.51	71.18	71.68	71.77	69.87	###	###	65.76	65.67	70.37	69.77	68.59	68.96	69.82	####
r110	72.88	72.84	72.81	72.85	72.84	72.87	72.83	73.04	72.38	72.41	72.47	72.41	72.38	72.37	72.41	72.37	72.39	72.21	72.13	71.91	71.93	71.96	72.04	71.77	71.95	71.96	71.92	72.03	71.91	72.82	72.95	72.85	72.95	72.75	72.95	72.86	72.97	72.92	72.87	73.08	71.81	71.78	71.84	71.91	72.07	71.88	71.86	71.87	71.88	71.95	71.89	71.89	71.82	71.89	71.86	71.88	71.88	71.88	71.93	71.57	71.46	71.49	75.51	75.64	75.34	75.28	75.49	75.37	75.58	91.76	---	91.34	91.38	86.39	86.27	86.29	86.30	83.90	84.24	84.05	83.90	83.86	83.93	83.96	83.81	84.28	84.20	84.08	84.17	85.82	72.73	72.68	72.78	72.67	73.19	72.52	72.50	71.37	###	###	71.67	71.37	71.80	71.71	69.96	###	###	66.30	66.20	70.27	70.04	68.48	69.05	69.93	####
rf72	72.78	72.76	72.76	72.74	72.75	72.75	72.76	72.95	72.46	72.43	72.46	72.43	72.46	72.42	72.47	72.41	72.37	72.32	72.16	71.99	71.98	71.96	72.07	71.84	72.01	71.98	71.99	72.02	71.95	72.70	72.96	72.84	72.91	72.68	72.95	72.85	72.96	72.97	72.95	73.04	71.81	71.82	71.77	71.75	71.77	71.79	71.74	71.72	71.83	71.79	71.84	71.81	71.65	71.76	71.92	71.86	71.96	71.84	71.82	71.33	71.40	71.29	76.83	76.87	75.44	75.30	76.62	76.89	76.90	90.90	91.24	---	98.28	86.25	86.71	86.28	86.41	84.41	83.67	83.65	84.37	84.30	84.25	84.29	84.49	83.65	83.65	83.82	83.68	85.03	72.65	72.77	72.80	72.63	73.22	72.50	72.49	71.45	###	###	71.58	71.37	71.81	71.75	69.93	###	###	66.20	66.09	70.38	69.82	68.30	68.99	69.88	####
r114	73.01	73.06	73.03	72.96	72.99	73.00	72.97	73.35	72.55	72.43	72.56	72.48	72.64	72.59	72.57	72.56	72.57	72.39	72.33	72.08	72.25	72.13	72.19	71.91	72.23	72.24	72.16	72.17	72.08	72.86	73.13	73.04	73.00	72.71	73.15	73.02	72.93	72.98	72.95	73.15	71.84	71.87	71.85	71.93	71.91	71.88	71.84	71.87	71.91	71.84	71.85	71.76	71.54	71.83	71.88	71.88	71.87	71.86	71.81	71.49	71.59	71.54	75.28	75.38	75.30	75.41	75.39	75.42	75.41	90.69	91.39	98.38	---	86.30	86.34	86.41	86.39	83.79	83.76	83.74	83.80	83.63	83.67	83.67	83.74	83.69	83.73	83.82	83.75	85.20	72.76	72.95	72.86	72.63	73.28	72.55	72.56	71.55	###	###	71.61	71.48	72.02	71.85	70.12	###	###	66.37	66.37	70.47	70.01	68.48	69.17	69.98	####
rf73	72.28	72.26	72.33	72.38	72.34	72.33	72.34	72.57	71.76	71.73	71.80	71.89	71.75	71.71	71.86	71.72	71.71	71.66	71.66	71.33	71.44	71.37	71.52	71.20	71.35	71.35	71.43	71.42	71.31	72.30	72.48	72.39	72.46	72.17	72.45	72.34	72.45	72.36	72.33	72.58	71.43	71.38	71.53	71.48	71.68	71.49	71.42	71.42	71.38	71.34	71.32	71.32	71.11	71.39	71.43	71.39	71.44	71.36	71.48	70.87	70.91	70.88	75.56	75.33	74.99	74.96	75.38	75.03	75.27	86.75	86.25	86.03	86.04	---	95.81	98.12	95.92	84.34	84.27	84.25	84.35	84.57	84.46	84.38	84.38	84.39	84.20	84.31	84.29	85.65	72.35	72.30	72.35	72.29	72.58	71.90	71.91	70.93	###	###	71.19	70.94	71.21	71.29	69.64	###	###	65.92	65.88	69.84	69.33	68.22	68.81	69.33	####
rf81	72.28	72.33	72.30	72.30	72.26	72.27	72.31	72.47	71.74	71.67	71.91	71.82	71.86	71.80	71.82	71.76	71.73	71.64	71.55	71.40	71.43	71.38	71.42	71.19	71.45	71.48	71.35	71.47	71.44	72.40	72.52	72.44	72.46	72.26	72.56	72.42	72.51	72.46	72.48	72.61	71.30	71.29	71.31	71.28	71.37	71.36	71.26	71.26	71.33	71.22	71.21	71.27	71.09	71.32	71.28	71.29	71.27	71.29	71.25	70.91	70.96	70.82	76.01	76.07	74.94	74.94	76.39	76.18	76.20	87.34	86.15	86.64	86.14	95.90	---	95.91	96.94	84.91	84.19	84.24	84.86	84.88	84.98	84.81	84.81	84.32	84.16	84.26	84.17	85.62	72.19	72.21	72.48	72.33	72.56	71.85	71.68	71.03	###	###	71.09	71.01	71.32	71.09	69.70	###	###	65.84	65.74	70.01	69.44	68.18	68.57	69.55	####
rf63	72.39	72.44	72.41	72.41	72.38	72.41	72.41	72.63	71.79	71.79	71.83	71.83	71.83	71.71	71.85	71.77	71.75	71.74	71.75	71.45	71.48	71.57	71.50	71.24	71.38	71.41	71.43	71.51	71.44	72.29	72.49	72.43	72.55	72.25	72.59	72.47	72.64	72.55	72.56	72.73	71.48	71.41	71.48	71.48	71.44	71.51	71.43	71.44	71.49	71.37	71.41	71.46	71.30	71.42	71.42	71.59	71.43	71.45	71.55	71.13	71.02	71.01	75.06	75.11	74.99	74.96	75.04	74.96	75.09	86.73	86.06	86.07	86.15	98.22	95.84	---	96.09	84.02	84.00	83.98	84.02	83.96	84.04	83.97	84.26	84.15	84.03	84.18	84.00	85.71	72.15	72.17	72.40	72.10	72.78	72.00	71.89	71.02	###	###	71.07	70.95	71.26	71.28	69.71	###	###	65.71	65.65	69.88	69.29	67.88	68.53	69.58	####
rf74	72.22	72.14	72.17	72.20	72.23	72.22	72.17	72.56	72.05	72.00	71.99	72.02	71.99	71.93	71.95	71.90	71.88	71.79	71.67	71.37	71.33	71.43	71.45	71.27	71.48	71.46	71.38	71.50	71.44	72.25	72.46	72.39	72.39	72.24	72.47	72.43	72.47	72.47	72.39	72.49	71.36	71.32	71.32	71.34	71.32	71.31	71.31	71.30	71.33	71.33	71.28	71.32	71.24	71.39	71.43	71.35	71.43	71.31	71.39	70.83	70.90	70.90	75.34	75.34	74.95	74.96	75.36	75.19	75.47	86.83	86.14	86.31	86.18	96.02	96.87	96.15	---	84.17	84.14	84.21	84.16	84.24	84.39	84.33	84.26	84.30	84.22	84.17	84.19	85.63	72.16	72.28	72.30	72.14	72.55	71.79	71.78	71.08	###	###	70.91	70.76	71.10	71.07	69.64	###	###	65.74	65.54	69.96	69.52	68.13	68.50	69.43	####
rf78	72.54	72.60	72.59	72.59	72.62	72.60	72.59	72.76	72.06	72.10	72.11	72.16	72.16	72.10	72.17	72.21	72.10	72.03	71.83	71.68	71.80	71.70	71.76	71.48	71.74	71.77	71.74	71.82	71.75	72.60	72.78	72.70	72.74	72.44	72.77	72.67	72.77	72.78	72.71	72.85	71.73	71.64	71.76	71.72	72.00	71.76	71.76	71.75	71.77	71.69	71.66	71.65	71.48	71.56	71.69	71.65	71.68	71.65	71.76	71.10	71.18	71.18	76.57	76.50	75.11	75.12	76.70	76.33	76.53	84.93	83.95	84.45	83.85	84.57	85.06	84.26	84.38	---	97.49	97.70	99.99	97.66	97.75	97.88	97.59	97.27	97.35	97.42	97.48	83.30	72.40	72.55	72.77	72.46	73.02	72.31	72.17	71.34	###	###	71.44	71.17	71.63	71.48	69.85	###	###	65.79	65.79	70.21	69.75	68.13	68.57	69.64	####
r112	72.90	72.95	72.93	72.89	72.92	72.89	72.90	73.05	72.32	72.28	72.35	72.32	72.31	72.30	72.38	72.34	72.30	72.09	72.12	71.89	71.92	71.99	72.13	71.71	72.10	72.02	72.01	72.12	72.04	72.78	72.98	72.95	72.94	72.70	73.22	73.01	73.10	72.86	72.87	73.08	71.97	71.89	71.98	72.00	72.30	72.02	72.00	72.01	72.00	71.87	71.92	71.87	71.61	71.90	71.90	71.95	71.89	71.91	71.93	71.36	71.33	71.41	75.35	75.46	75.18	75.13	75.17	75.19	75.31	84.19	84.38	83.82	83.88	84.51	84.41	84.24	84.31	97.49	---	97.64	97.49	97.60	97.63	97.54	97.52	98.15	99.11	97.74	97.84	83.42	72.61	72.73	72.62	72.47	72.99	72.42	72.28	71.48	###	###	71.65	71.41	71.89	71.86	70.00	###	###	66.72	66.62	70.35	70.15	68.47	68.92	70.00	####
rf77	72.63	72.67	72.72	72.68	72.69	72.70	72.68	72.83	72.17	72.18	72.28	72.22	72.19	72.10	72.18	72.16	72.18	72.05	71.91	71.64	71.85	71.61	71.71	71.48	71.71	71.69	71.73	71.77	71.67	72.54	72.64	72.55	72.67	72.44	72.76	72.63	72.74	72.67	72.60	72.81	71.81	71.67	71.76	71.78	72.16	71.84	71.77	71.77	71.66	71.78	71.71	71.68	71.61	71.82	71.71	71.74	71.70	71.74	71.73	71.20	71.19	71.23	75.41	75.49	75.18	75.13	75.26	75.12	75.38	84.08	84.11	83.77	83.75	84.43	84.47	84.17	84.41	97.72	97.65	---	97.71	97.76	97.88	98.20	97.64	97.41	97.56	97.63	97.73	83.19	72.33	72.45	72.62	72.52	72.97	72.25	72.07	71.30	###	###	71.39	71.18	71.61	71.46	69.88	###	###	65.96	65.82	70.37	70.10	68.10	68.63	70.01	####
rf76	72.64	72.66	72.65	72.63	72.66	72.63	72.66	72.91	72.19	72.20	72.26	72.25	72.23	72.14	72.24	72.20	72.16	72.01	72.01	71.79	71.83	71.77	71.91	71.69	71.87	71.96	71.85	71.97	71.90	72.57	72.77	72.69	72.73	72.49	72.79	72.70	72.83	72.78	72.66	72.87	71.76	71.66	71.78	71.74	72.00	71.70	71.78	71.77	71.73	71.72	71.65	71.64	71.50	71.66	71.67	71.63	71.65	71.65	71.73	71.15	71.18	71.21	76.58	76.54	75.08	75.07	76.67	76.24	76.53	84.91	83.90	84.36	83.71	84.52	85.03	84.20	84.33	99.99	97.44	97.70	---	97.66	97.78	97.91	97.59	97.24	97.32	97.44	97.46	83.18	72.49	72.61	72.68	72.54	72.84	72.28	72.09	71.27	###	###	71.41	71.28	71.63	71.55	69.93	###	###	66.09	66.00	70.16	69.90	68.07	68.61	69.83	####
rf80	72.62	72.61	72.60	72.62	72.62	72.60	72.60	72.77	72.00	72.00	72.05	72.09	72.07	71.99	72.15	72.05	72.06	71.93	71.92	71.69	71.74	71.65	71.72	71.43	71.64	71.60	71.72	71.67	71.64	72.47	72.68	72.53	72.64	72.43	72.68	72.58	72.67	72.60	72.62	72.71	71.68	71.55	71.62	71.60	71.71	71.60	71.61	71.61	71.63	71.59	71.58	71.63	71.49	71.56	71.61	71.63	71.59	71.60	71.62	71.17	71.20	71.23	76.55	76.57	75.14	75.06	76.83	76.27	76.48	84.77	83.79	84.31	83.66	84.70	85.05	84.14	84.43	97.53	97.48	97.67	97.52	---	97.59	97.83	97.48	97.23	97.36	97.28	97.46	83.21	72.50	72.40	72.61	72.58	72.84	72.16	72.09	71.27	###	###	71.43	71.14	71.63	71.56	69.85	###	###	66.29	66.04	70.26	69.77	68.13	68.67	69.69	####
rf66	72.44	72.45	72.38	72.41	72.43	72.41	72.45	72.56	71.94	71.90	71.99	72.05	71.96	72.02	72.09	72.10	72.07	71.81	71.70	71.37	71.60	71.44	71.40	71.27	71.44	71.49	71.48	71.42	71.48	72.37	72.59	72.49	72.52	72.32	72.49	72.38	72.66	72.53	72.52	72.75	71.60	71.52	71.51	71.51	71.82	71.62	71.49	71.50	71.45	71.45	71.45	71.44	71.34	71.32	71.46	71.46	71.46	71.43	71.54	71.00	70.97	71.00	76.88	76.71	75.09	75.13	76.90	76.34	76.77	84.76	83.82	84.19	83.60	84.56	85.03	84.20	84.44	97.44	97.42	97.63	97.42	97.45	---	97.62	97.41	97.17	97.11	97.28	97.38	83.14	72.30	72.38	72.52	72.46	72.73	71.99	71.92	70.96	###	###	71.27	70.81	71.31	71.32	69.52	###	###	65.41	65.21	69.97	69.50	67.88	68.40	69.52	####
rf79	72.66	72.65	72.66	72.68	72.67	72.71	72.74	72.82	72.14	72.18	72.13	72.21	72.09	72.07	72.20	72.12	72.08	71.98	71.96	71.64	71.75	71.60	71.81	71.50	71.67	71.66	71.75	71.75	71.67	72.55	72.79	72.69	72.71	72.45	72.78	72.70	72.77	72.73	72.68	72.89	71.77	71.62	71.75	71.74	72.19	71.87	71.72	71.72	71.67	71.79	71.72	71.65	71.55	71.69	71.75	71.72	71.74	71.73	71.82	71.23	71.19	71.19	76.93	76.78	75.04	75.10	76.70	76.40	76.84	84.71	83.95	84.24	83.61	84.54	84.96	84.15	84.45	97.74	97.42	98.06	97.71	97.78	97.72	---	97.50	97.23	97.18	97.37	97.55	83.24	72.34	72.47	72.61	72.49	72.92	72.17	72.14	71.23	###	###	71.48	71.23	71.61	71.66	69.78	###	###	65.82	65.78	70.29	69.84	68.01	68.54	69.58	####
rf62	72.49	72.43	72.44	72.44	72.50	72.46	72.47	72.66	71.92	71.90	71.86	72.02	71.94	71.90	72.00	71.93	71.92	71.87	71.82	71.60	71.65	71.43	71.59	71.37	71.54	71.53	71.67	71.63	71.52	72.19	72.43	72.33	72.40	72.19	72.52	72.37	72.50	72.45	72.33	72.58	71.45	71.42	71.39	71.43	71.64	71.44	71.30	71.31	71.41	71.32	71.33	71.39	71.24	71.33	71.39	71.38	71.40	71.44	71.40	70.97	70.99	70.95	76.58	76.67	75.05	75.01	76.54	76.52	76.87	84.87	83.69	84.51	83.71	84.45	84.87	84.35	84.25	97.42	97.35	97.42	97.40	97.46	97.49	97.50	---	97.06	97.17	97.18	97.35	83.14	72.36	72.38	72.49	72.36	72.76	72.07	71.99	71.11	###	###	71.38	71.03	71.53	71.39	69.80	###	###	66.13	66.08	70.07	69.52	67.97	68.46	69.71	####
rf67	72.40	72.41	72.46	72.44	72.41	72.38	72.41	72.56	71.97	71.96	71.99	71.98	72.00	72.01	72.02	72.02	72.01	71.86	71.83	71.56	71.60	71.53	71.66	71.31	71.50	71.54	71.50	71.61	71.50	72.51	72.59	72.51	72.48	72.39	72.68	72.54	72.56	72.55	72.49	72.74	71.58	71.52	71.59	71.66	71.91	71.68	71.67	71.68	71.59	71.67	71.60	71.50	71.45	71.59	71.58	71.60	71.57	71.56	71.62	71.19	71.14	71.11	75.10	75.26	75.03	74.98	75.08	74.96	75.10	84.05	84.32	83.68	83.67	84.53	84.43	84.27	84.38	97.14	97.97	97.24	97.13	97.20	97.24	97.20	97.11	---	98.00	97.33	97.42	83.29	72.39	72.44	72.56	72.49	72.74	72.12	71.94	71.15	###	###	71.34	70.99	71.40	71.40	69.66	###	###	65.78	65.66	70.09	69.67	67.95	68.39	69.59	####
rf68	72.52	72.50	72.51	72.53	72.51	72.51	72.51	72.68	71.93	71.83	71.93	71.94	72.02	71.94	72.01	71.99	71.96	71.82	71.76	71.38	71.65	71.48	71.57	71.38	71.56	71.56	71.58	71.66	71.49	72.44	72.57	72.49	72.54	72.42	72.66	72.59	72.56	72.57	72.58	72.65	71.64	71.50	71.60	71.59	72.04	71.91	71.66	71.67	71.60	71.57	71.56	71.54	71.36	71.68	71.55	71.56	71.53	71.52	71.60	71.16	71.10	71.13	75.24	75.47	75.07	75.01	75.20	75.02	75.28	84.18	84.26	83.75	83.77	84.38	84.34	84.23	84.31	97.23	98.96	97.39	97.23	97.31	97.29	97.24	97.27	98.02	---	97.47	97.59	83.37	72.38	72.37	72.49	72.35	72.78	72.07	72.08	71.24	###	###	71.43	71.08	71.58	71.53	69.70	###	###	65.86	65.71	70.25	69.78	68.24	68.69	69.68	####
rf100	72.48	72.62	72.58	72.57	72.55	72.56	72.58	72.73	72.06	72.08	72.17	72.21	72.23	72.15	72.13	72.14	72.14	72.04	71.94	71.70	71.72	71.72	71.81	71.56	71.76	71.70	71.73	71.77	71.64	72.53	72.71	72.61	72.62	72.43	72.71	72.59	72.74	72.67	72.59	72.82	71.71	71.61	71.72	71.67	71.88	71.72	71.69	71.71	71.60	71.64	71.68	71.66	71.52	71.68	71.69	71.71	71.67	71.72	71.71	71.08	71.17	71.12	75.17	75.46	75.24	75.14	75.27	75.14	75.26	84.14	84.15	83.87	83.82	84.54	84.47	84.39	84.37	97.44	97.71	97.62	97.43	97.42	97.50	97.49	97.43	97.52	97.63	---	97.71	83.31	72.43	72.46	72.60	72.44	72.82	72.12	72.06	71.30	###	###	71.46	71.16	71.59	71.63	69.90	###	###	65.94	65.75	70.13	69.94	68.06	68.65	69.77	####
r39	72.59	72.60	72.64	72.65	72.64	72.61	72.64	72.80	72.05	72.06	72.12	72.10	72.12	72.13	72.19	72.06	72.05	71.97	71.81	71.55	71.62	71.62	71.65	71.45	71.60	71.63	71.61	71.68	71.60	72.47	72.67	72.63	72.64	72.41	72.78	72.62	72.77	72.68	72.70	72.84	71.77	71.66	71.81	71.80	72.05	71.80	71.82	71.83	71.78	71.79	71.79	71.74	71.59	71.77	71.79	71.74	71.77	71.78	71.81	71.21	71.25	71.22	75.37	75.49	75.09	75.01	75.15	75.07	75.18	84.12	84.26	83.78	83.76	84.53	84.38	84.21	84.35	97.54	97.85	97.75	97.53	97.76	97.66	97.72	97.56	97.60	97.78	97.74	---	83.37	72.42	72.37	72.58	72.49	72.87	72.18	72.02	71.10	###	###	71.27	71.10	71.52	71.42	69.85	###	###	66.23	65.99	70.23	69.90	68.29	68.68	69.75	####
r45	72.47	72.41	72.46	72.46	72.45	72.44	72.49	72.66	71.99	71.94	72.00	72.08	72.10	71.98	72.08	72.07	72.05	71.82	71.84	71.36	71.56	71.64	71.67	71.34	71.58	71.66	71.67	71.74	71.65	72.29	72.54	72.45	72.31	72.17	72.41	72.28	72.45	72.51	72.42	72.59	71.67	71.59	71.67	71.62	72.08	71.72	71.64	71.63	71.60	71.71	71.62	71.51	71.51	71.60	71.66	71.59	71.65	71.61	71.81	71.08	71.09	71.13	75.65	75.83	75.13	75.02	75.58	75.48	75.66	85.66	85.78	85.08	85.07	85.76	85.65	85.73	85.74	83.23	83.38	83.11	83.23	83.35	83.17	83.30	83.09	83.39	83.44	83.31	83.39	---	72.35	72.44	72.44	72.38	72.70	71.96	71.97	71.12	###	###	71.27	71.08	71.53	71.43	69.61	###	###	65.79	65.64	70.10	69.66	67.87	68.39	69.55	####
rc54	73.26	73.19	73.22	73.21	73.24	73.17	73.19	73.44	73.39	73.35	73.24	73.35	73.12	73.20	73.25	73.20	73.16	73.03	72.58	72.41	72.38	72.74	72.64	72.34	72.51	72.57	72.57	72.62	72.49	72.82	72.95	72.92	73.01	72.88	73.12	72.94	73.07	72.93	72.96	73.16	71.63	71.64	71.67	71.64	71.58	71.63	71.69	71.66	71.66	71.66	71.68	71.66	71.55	71.66	71.73	71.70	71.74	71.72	71.69	71.13	71.17	71.14	72.45	72.53	72.54	72.59	72.52	72.60	72.59	72.92	73.08	72.90	72.90	72.66	72.71	72.64	72.66	72.72	72.70	72.69	72.72	72.75	72.73	72.58	72.64	72.61	72.60	72.68	72.76	72.56	---	91.28	77.57	76.94	73.47	72.84	73.05	72.08	###	###	72.53	72.05	72.41	72.81	71.02	###	###	66.01	66.05	71.40	70.25	69.04	70.04	70.33	####
rkr83	73.25	73.23	73.34	73.29	73.24	73.26	73.25	73.56	73.41	73.41	73.36	73.41	73.20	73.23	73.25	73.27	73.26	73.11	72.70	72.57	72.61	72.89	72.89	72.55	72.82	72.82	72.85	72.87	72.89	72.95	73.03	73.02	73.03	72.88	73.21	73.08	73.12	73.06	73.11	73.31	71.71	71.63	71.69	71.68	71.70	71.67	71.65	71.65	71.61	71.66	71.69	71.62	71.60	71.69	71.72	71.69	71.69	71.69	71.65	71.21	71.20	71.20	72.23	72.35	72.34	72.34	72.37	72.35	72.38	72.89	73.01	72.98	72.98	72.56	72.62	72.54	72.59	72.72	72.75	72.67	72.71	72.62	72.65	72.66	72.60	72.72	72.71	72.73	72.67	72.50	91.20	---	77.42	76.79	73.35	72.98	73.12	72.03	###	###	72.62	72.18	72.57	73.02	71.06	###	###	66.06	66.10	71.24	70.23	69.07	69.99	70.60	####
r94	73.06	73.02	73.09	73.06	73.04	73.03	73.06	73.29	72.96	73.03	72.94	73.00	72.80	72.70	72.90	72.86	72.80	72.69	72.34	72.16	72.21	72.37	72.45	72.16	72.36	72.32	72.37	72.41	72.40	72.87	72.99	72.98	73.07	72.88	73.23	73.04	73.10	72.88	72.92	73.10	71.47	71.54	71.49	71.55	71.52	71.52	71.54	71.55	71.56	71.42	71.57	71.51	71.36	71.44	71.49	71.54	71.51	71.54	71.50	71.06	71.09	71.06	72.67	72.71	72.74	72.77	72.69	72.69	72.76	72.86	73.03	72.92	72.93	72.66	72.71	72.65	72.66	72.73	72.75	72.77	72.72	72.68	72.77	72.71	72.63	72.72	72.63	72.71	72.75	72.50	77.28	77.29	---	82.72	73.15	72.64	72.59	71.62	###	###	72.01	71.55	71.87	72.16	70.46	###	###	66.08	65.96	70.85	69.91	68.68	69.48	70.03	####
r109	72.63	72.54	72.59	72.57	72.59	72.58	72.55	72.58	72.76	72.57	72.51	72.50	72.42	72.40	72.55	72.43	72.37	72.28	71.99	72.01	71.97	72.09	72.01	71.85	72.08	72.07	72.04	72.14	72.10	72.40	72.64	72.54	72.60	72.43	72.76	72.60	72.65	72.66	72.68	72.78	71.51	71.48	71.55	71.54	71.44	71.48	71.53	71.53	71.50	71.43	71.44	71.45	71.35	71.47	71.53	71.51	71.48	71.52	71.43	70.97	71.08	71.09	72.52	72.60	72.58	72.57	72.56	72.52	72.55	72.71	72.87	72.84	72.74	72.53	72.42	72.45	72.55	72.55	72.56	72.67	72.57	72.71	72.74	72.69	72.61	72.57	72.53	72.63	72.71	72.44	76.77	76.68	82.75	---	72.64	72.35	72.37	71.43	###	###	71.68	71.35	71.66	71.79	70.35	###	###	66.04	65.90	70.51	69.99	68.66	69.22	70.05	####
r95	75.57	75.58	75.65	75.61	75.62	75.62	75.63	76.04	74.78	74.71	74.72	74.77	74.57	74.58	74.66	74.68	74.69	74.48	74.03	73.37	73.31	73.46	73.52	73.27	73.42	73.39	73.42	73.48	73.46	75.46	75.62	75.53	75.39	75.27	75.61	75.46	75.69	75.50	75.49	75.67	72.83	72.81	72.79	72.80	72.78	72.77	72.84	72.82	72.82	72.84	72.81	72.77	72.66	72.74	72.80	72.78	72.78	72.85	72.85	72.42	72.44	72.38	71.94	72.05	72.12	72.08	72.03	72.09	72.14	72.43	72.56	72.62	72.59	72.17	72.08	72.18	72.08	72.34	72.28	72.30	72.36	72.31	72.30	72.32	72.27	72.34	72.27	72.35	72.32	72.24	72.66	72.48	72.48	72.02	---	76.86	76.74	72.90	###	###	73.32	72.80	73.18	73.54	70.42	###	###	66.17	66.11	70.67	69.91	69.58	69.89	70.41	####
r106	75.00	75.09	75.08	75.11	75.03	75.06	75.13	75.52	74.49	74.47	74.38	74.48	74.33	74.34	74.38	74.36	74.33	74.10	74.06	73.38	73.50	73.66	73.65	73.35	73.64	73.55	73.55	73.65	73.64	74.25	74.44	74.30	74.38	74.20	74.50	74.35	74.44	74.42	74.38	74.56	72.29	72.31	72.31	72.32	72.29	72.21	72.31	72.30	72.31	72.26	72.28	72.25	72.05	72.25	72.32	72.28	72.29	72.33	72.30	72.04	72.06	72.04	71.75	71.91	71.88	71.94	71.97	71.93	71.95	72.12	72.20	72.31	72.28	71.81	71.79	71.76	71.78	71.95	72.01	71.98	71.95	71.99	71.91	72.00	71.83	71.92	71.86	72.00	72.07	71.75	72.25	72.28	72.12	71.85	77.14	---	83.82	72.67	###	###	72.61	72.11	72.49	72.73	70.58	###	###	65.98	66.04	70.70	70.04	69.39	69.86	70.49	####
rt46	75.21	75.24	75.21	75.19	75.20	75.17	75.19	75.27	74.59	74.58	74.53	74.61	74.43	74.46	74.44	74.43	74.46	74.18	74.29	73.49	73.49	73.72	73.80	73.52	73.65	73.74	73.73	73.67	73.66	74.25	74.39	74.26	74.25	74.11	74.35	74.27	74.37	74.30	74.31	74.55	72.31	72.32	72.27	72.28	72.36	72.29	72.24	72.24	72.29	72.33	72.29	72.35	72.17	72.36	72.31	72.33	72.34	72.35	72.29	71.96	71.97	71.93	71.72	71.91	71.89	71.85	71.85	71.87	71.92	71.93	72.18	72.13	72.13	71.90	71.71	71.84	71.81	71.76	71.80	71.75	71.78	71.84	71.87	71.80	71.75	71.79	71.78	71.85	71.89	71.64	72.46	72.48	72.23	71.99	76.87	83.76	---	72.77	###	###	72.77	72.21	72.65	72.78	70.61	###	###	66.41	66.44	70.95	69.98	68.95	69.58	70.58	####
rk21	72.28	72.29	72.30	72.29	72.31	72.30	72.29	72.50	72.32	72.28	72.35	72.41	72.13	72.07	72.18	72.08	72.03	71.81	71.88	71.46	71.36	71.66	71.76	71.49	71.60	71.65	71.64	71.77	71.59	72.00	72.15	72.04	72.05	72.00	72.16	72.04	72.13	72.07	72.04	72.27	70.37	70.36	70.41	70.38	70.43	70.38	70.41	70.38	70.40	70.34	70.47	70.38	70.19	70.39	70.45	70.48	70.43	70.47	70.45	70.31	70.33	70.29	70.22	70.46	70.34	70.37	70.38	70.40	70.35	70.51	70.73	70.64	70.79	70.41	70.46	70.51	70.46	70.42	70.43	70.46	70.41	70.44	70.39	70.49	70.37	70.45	70.44	70.51	70.51	70.29	71.02	71.02	70.77	70.48	72.82	72.19	72.26	---	###	###	72.55	72.53	72.86	72.84	69.75	###	###	66.06	65.95	69.55	69.04	68.69	69.11	70.15	####
rr28	74.17	74.09	74.24	74.18	74.07	74.10	74.09	74.20	74.05	74.00	74.01	74.05	74.05	74.01	74.12	74.06	73.94	73.85	73.88	73.46	73.32	73.70	73.60	73.39	73.49	73.59	73.49	73.61	73.54	73.91	74.12	74.09	74.02	74.01	74.18	74.06	74.06	74.02	74.06	74.25	72.25	72.20	72.17	72.24	72.21	72.26	72.23	72.23	72.24	72.16	72.20	72.20	72.06	72.18	72.20	72.19	72.18	72.18	72.20	71.61	71.62	71.59	71.86	71.94	71.85	71.88	71.96	71.91	71.91	72.01	72.32	72.02	72.08	71.73	71.68	71.71	71.71	71.83	71.82	71.72	71.83	71.82	71.77	71.74	71.81	71.78	71.79	71.86	71.85	71.65	72.76	72.79	72.63	72.20	73.63	73.53	73.62	72.48	---	###	72.43	72.26	72.28	72.44	71.04	###	###	65.86	65.81	71.44	70.14	69.32	70.18	71.20	####
rr91	68.54	68.45	68.59	68.56	68.50	68.55	68.56	68.80	68.70	68.72	68.68	68.76	68.62	68.82	68.85	68.80	68.85	68.64	68.36	68.53	68.40	68.63	68.57	68.53	68.63	68.68	68.63	68.66	68.56	68.35	68.40	68.38	68.32	68.23	68.45	68.39	68.27	68.46	68.39	68.36	67.53	67.54	67.49	67.52	67.55	67.52	67.49	67.50	67.53	67.56	67.52	67.56	67.41	67.58	67.57	67.55	67.53	67.62	67.44	67.38	67.35	67.34	67.41	67.50	67.48	67.43	67.49	67.54	67.47	67.65	68.02	67.78	67.94	67.67	67.73	67.68	67.67	67.61	67.77	67.69	67.62	67.64	67.63	67.67	67.66	67.77	67.79	67.74	67.77	67.78	68.47	68.52	68.04	67.89	68.71	68.51	68.60	68.65	###	---	68.62	68.43	68.97	69.26	68.57	###	###	65.22	65.29	68.49	67.65	67.69	68.15	68.01	####
na53	72.66	72.66	72.74	72.71	72.71	72.66	72.69	72.87	72.82	72.77	72.81	72.90	72.73	72.71	72.68	72.65	72.76	72.56	72.01	72.07	71.94	72.18	72.34	72.10	72.33	72.38	72.31	72.40	72.32	72.29	72.23	72.14	72.15	72.03	72.42	72.18	72.27	72.12	72.17	72.43	70.73	70.66	70.65	70.77	70.76	70.72	70.77	70.78	70.66	70.72	70.68	70.73	70.62	70.76	70.68	70.69	70.65	70.70	70.75	70.50	70.50	70.42	70.63	70.71	70.69	70.73	70.71	70.64	70.74	70.88	70.94	71.00	71.06	70.71	70.68	70.68	70.71	70.88	70.92	70.82	70.89	70.95	70.82	70.86	70.75	70.91	70.91	70.85	70.91	70.58	71.74	71.82	71.36	71.08	73.23	72.41	72.54	72.78	###	###	---	76.99	77.56	77.72	70.31	###	###	66.06	66.02	70.37	69.57	69.01	69.51	70.62	####
nb6	71.93	71.90	71.91	71.88	71.92	71.91	71.91	72.18	72.10	72.13	72.22	72.23	72.09	72.06	72.01	72.02	72.12	71.80	71.63	71.53	71.49	71.63	71.56	71.38	71.64	71.69	71.76	71.81	71.66	71.43	71.64	71.59	71.50	71.44	71.59	71.55	71.53	71.57	71.60	71.73	70.32	70.23	70.35	70.29	70.26	70.33	70.28	70.28	70.35	70.18	70.30	70.29	70.08	70.34	70.29	70.28	70.28	70.35	70.22	70.07	70.05	70.11	70.32	70.36	70.34	70.40	70.29	70.33	70.34	70.41	70.45	70.53	70.56	70.25	70.26	70.25	70.30	70.37	70.39	70.38	70.38	70.34	70.31	70.33	70.22	70.36	70.30	70.40	70.44	70.33	71.06	70.96	70.75	70.46	72.49	71.65	71.65	72.44	###	###	76.69	---	77.67	77.72	69.87	###	###	66.45	66.34	69.92	69.15	68.84	69.23	70.41	####
nc7	73.11	73.01	73.10	73.08	73.11	73.07	73.05	73.18	73.21	73.23	73.22	73.36	73.20	73.21	73.20	73.19	73.24	73.05	72.64	72.58	72.35	72.49	72.66	72.46	72.65	72.71	72.66	72.74	72.64	72.62	72.74	72.68	72.70	72.39	72.73	72.58	72.61	72.65	72.62	72.88	71.16	71.11	71.14	71.21	71.22	71.15	71.15	71.15	71.19	71.05	71.08	71.11	70.80	71.11	71.09	71.15	71.06	71.15	71.11	70.91	70.92	70.89	70.87	71.03	71.01	71.04	71.04	71.02	71.09	71.44	71.40	71.51	71.53	71.26	71.16	71.19	71.29	71.27	71.36	71.22	71.27	71.23	71.20	71.29	71.13	71.24	71.25	71.30	71.37	71.16	71.96	72.01	71.67	71.28	73.66	72.64	72.68	73.15	###	###	77.83	78.20	---	78.66	70.43	###	###	66.40	66.42	70.78	69.90	69.30	69.62	70.96	####
nf8	73.21	73.23	73.27	73.26	73.27	73.22	73.27	73.46	73.57	73.55	73.56	73.58	73.40	73.38	73.45	73.36	73.39	73.12	72.92	72.48	72.40	72.59	72.76	72.45	72.68	72.72	72.70	72.77	72.67	72.64	72.89	72.86	72.77	72.55	72.87	72.79	72.85	72.70	72.66	72.92	70.91	70.90	70.91	70.96	70.95	70.98	70.90	70.90	70.98	70.93	70.96	70.97	70.67	70.98	70.98	70.98	70.98	71.00	70.96	70.71	70.78	70.68	70.85	70.99	70.92	71.07	71.02	71.03	71.08	71.40	71.38	71.44	71.46	71.16	71.02	71.03	71.14	71.05	71.27	71.14	71.05	71.17	71.12	71.15	71.07	71.27	71.16	71.21	71.26	70.94	72.23	72.24	71.85	71.39	73.81	72.77	73.04	73.41	###	###	78.11	78.47	78.67	---	70.80	###	###	66.82	66.86	70.83	69.98	69.64	70.14	71.13	####
g3	71.16	71.02	71.02	71.02	71.02	71.06	71.01	71.11	71.13	71.09	70.95	71.13	70.92	70.93	70.98	70.89	70.84	70.73	70.75	70.69	70.27	70.67	70.60	70.50	70.68	70.76	70.71	70.81	70.67	70.32	70.60	70.59	70.73	70.42	70.71	70.57	70.72	70.59	70.64	70.68	69.59	69.59	69.56	69.56	69.69	69.69	69.63	69.63	69.63	69.57	69.61	69.65	69.37	69.60	69.65	69.67	69.63	69.62	69.54	69.49	69.52	69.48	69.61	69.80	69.77	69.78	69.78	69.78	69.85	69.92	70.21	70.01	70.05	69.89	69.73	69.78	69.83	69.74	69.69	69.78	69.78	69.78	69.68	69.79	69.77	69.74	69.63	69.89	69.87	69.55	70.68	70.76	70.46	70.23	71.03	70.85	70.99	70.61	###	###	70.91	70.13	70.82	71.01	---	###	###	66.84	66.75	72.80	71.56	69.15	69.65	69.69	####
gb4	70.81	70.73	70.75	70.71	70.78	70.74	70.71	70.96	71.30	71.21	71.29	71.20	71.16	71.17	71.08	71.18	71.02	70.92	70.69	70.89	70.60	70.76	70.75	70.92	70.98	70.96	70.77	71.03	71.10	70.57	70.72	70.78	70.81	70.61	70.92	70.68	70.62	70.73	70.74	70.67	69.90	69.50	69.60	69.67	69.85	69.78	69.69	69.69	69.69	69.39	69.47	69.43	69.41	69.60	69.64	69.56	69.64	69.48	69.59	69.23	69.37	69.24	69.61	69.75	69.68	69.65	69.77	69.68	69.82	69.99	70.24	70.24	70.15	69.94	69.85	69.87	69.91	69.80	69.89	69.83	69.82	69.91	69.91	69.95	69.78	69.78	69.92	69.82	69.87	69.90	70.69	70.73	70.33	70.24	70.95	70.75	70.83	70.47	###	###	71.08	70.66	70.80	71.14	76.36	---	###	66.26	66.34	72.98	71.63	68.47	69.11	69.34	####
gp5	71.00	71.05	70.88	70.89	70.91	70.99	70.94	70.94	70.99	70.96	70.99	70.95	70.91	71.00	70.99	71.00	70.91	70.74	70.59	70.69	70.56	70.69	70.75	70.37	70.81	70.81	70.83	70.80	70.72	70.28	70.50	70.53	70.58	70.43	70.67	70.58	70.63	70.55	70.52	70.65	69.49	69.44	69.42	69.43	69.56	69.57	69.49	69.47	69.46	69.41	69.49	69.42	69.19	69.52	69.49	69.50	69.47	69.40	69.48	69.14	69.17	69.15	69.86	69.96	69.93	69.88	69.94	69.91	70.04	70.22	70.13	70.29	70.19	70.11	69.99	70.02	70.10	69.90	69.95	70.04	69.93	69.99	70.01	70.04	69.99	69.91	69.89	70.13	70.10	70.01	70.68	70.82	70.29	70.22	70.74	70.57	70.67	70.49	###	###	70.87	70.32	70.69	70.96	75.00	###	---	66.73	66.73	72.59	71.32	68.77	69.47	69.67	####
cd1	66.02	65.99	66.05	66.07	66.05	66.05	66.09	66.48	66.30	66.22	66.20	66.31	66.07	66.17	66.19	66.11	66.23	66.15	66.38	66.32	66.57	66.30	66.25	66.13	66.38	66.33	66.38	66.38	66.28	65.77	66.21	66.16	66.08	65.88	66.24	66.15	66.11	66.13	66.27	66.10	65.98	65.80	65.86	65.89	65.98	65.81	65.88	65.90	65.94	65.98	66.02	65.99	65.87	66.00	66.01	65.98	65.99	66.10	65.92	66.19	66.15	66.14	65.97	65.89	65.86	65.93	65.95	65.98	66.11	65.95	66.44	66.06	66.04	66.00	66.02	65.98	66.16	65.71	65.89	65.85	65.70	65.87	65.97	65.92	65.85	65.84	65.91	65.81	65.80	66.06	65.87	66.07	65.91	65.89	66.35	66.01	66.09	66.07	###	###	66.59	66.22	66.42	66.30	66.33	###	###	---	98.08	66.09	65.82	65.51	65.94	65.92	####
cd2	66.56	66.55	66.58	66.57	66.54	66.48	66.61	66.60	66.59	66.52	66.45	66.61	66.40	66.69	66.63	66.46	66.55	66.38	66.74	66.74	66.95	66.78	66.80	66.63	66.77	66.83	66.93	66.77	66.82	66.03	66.45	66.38	66.40	66.31	66.56	66.54	66.46	66.43	66.47	66.56	66.17	66.14	66.32	66.35	66.23	66.21	66.16	66.17	66.25	66.29	66.35	66.26	65.91	66.19	66.35	66.38	66.32	66.28	66.26	66.19	66.24	66.07	65.70	65.78	65.70	65.71	65.80	65.85	65.83	65.98	66.35	66.11	66.12	65.83	65.81	65.82	65.76	65.85	65.80	65.82	65.86	65.86	65.87	65.95	65.85	65.73	65.69	65.82	65.90	65.97	65.99	66.27	65.93	65.78	66.24	66.28	66.47	66.36	###	###	66.82	66.91	66.77	66.67	66.54	###	###	98.08	---	66.46	66.20	65.37	65.76	66.51	####
w115	71.33	71.29	71.38	71.34	71.39	71.35	71.33	71.65	71.58	71.65	71.62	71.61	71.54	71.45	71.54	71.46	71.49	71.18	71.05	71.28	71.32	71.34	71.45	71.09	71.23	71.29	71.36	71.33	71.25	71.12	71.35	71.21	71.24	71.20	71.41	71.24	71.35	71.23	71.14	71.30	69.85	69.83	69.91	69.87	69.95	69.85	69.92	69.90	69.91	69.79	69.76	69.83	69.65	69.88	69.80	69.80	69.77	69.76	69.81	69.59	69.62	69.50	70.15	70.32	70.30	70.25	70.28	70.20	70.41	70.52	70.65	70.48	70.54	70.19	70.25	70.15	70.18	70.43	70.47	70.35	70.47	70.41	70.38	70.40	70.24	70.43	70.46	70.50	70.44	70.30	71.25	71.37	70.99	70.64	71.57	71.28	71.39	70.60	###	###	71.33	70.80	71.18	71.34	72.91	###	###	66.12	66.14	---	72.34	68.98	69.57	69.79	####
w116	70.52	70.50	70.60	70.55	70.58	70.54	70.51	70.64	70.50	70.64	70.58	70.64	70.63	70.54	70.62	70.62	70.54	70.47	70.09	70.15	70.04	70.20	70.12	69.94	69.96	70.05	70.09	70.16	70.23	70.35	70.53	70.43	70.54	70.55	70.74	70.50	70.58	70.50	70.48	70.60	69.56	69.46	69.50	69.50	69.60	69.57	69.49	69.47	69.49	69.61	69.49	69.51	69.47	69.62	69.50	69.56	69.47	69.57	69.52	69.19	69.31	69.23	69.66	69.75	69.68	69.70	69.76	69.67	69.76	70.03	70.32	69.88	69.89	69.54	69.59	69.59	69.66	69.97	70.08	70.16	69.96	69.96	69.93	69.92	69.80	70.00	69.99	70.04	70.12	69.76	70.12	70.07	70.07	69.74	70.51	70.21	70.25	69.83	###	###	70.05	69.84	70.31	70.28	71.67	###	###	65.77	65.77	72.35	---	68.35	68.93	69.13	####
sr48	69.80	69.69	69.69	69.67	69.64	69.71	69.68	69.66	70.10	70.11	70.17	70.08	69.95	69.96	70.05	70.00	69.96	70.02	69.64	69.59	69.76	69.73	69.67	69.35	69.62	69.63	69.61	69.68	69.59	69.32	69.52	69.49	69.47	69.40	69.68	69.46	69.52	69.59	69.56	69.67	68.48	68.57	68.54	68.52	68.57	68.52	68.51	68.52	68.50	68.55	68.56	68.48	68.36	68.51	68.58	68.52	68.56	68.50	68.51	68.24	68.25	68.21	68.40	68.43	68.39	68.42	68.40	68.46	68.56	68.59	68.64	68.50	68.59	68.38	68.42	68.37	68.41	68.43	68.54	68.37	68.43	68.37	68.41	68.43	68.39	68.49	68.51	68.45	68.41	68.31	69.46	69.45	69.15	68.91	69.79	69.65	69.59	69.28	###	###	69.79	69.51	69.75	70.09	69.21	###	###	65.19	65.11	69.08	68.70	---	79.86	68.59	####
srg49	70.33	70.23	70.33	70.27	70.33	70.34	70.32	70.48	70.70	70.69	70.65	70.73	70.56	70.58	70.59	70.55	70.60	70.38	70.26	70.06	69.97	70.47	70.33	69.95	70.24	70.31	70.23	70.38	70.35	69.72	69.89	69.83	69.94	69.87	69.99	69.89	69.80	69.86	69.84	69.94	68.73	68.78	68.84	68.81	68.82	68.92	68.80	68.79	68.76	68.86	68.90	68.92	68.55	68.90	68.88	68.88	68.90	68.86	68.85	68.59	68.60	68.55	68.79	68.85	68.88	68.88	68.84	68.84	68.94	68.98	69.14	69.06	69.19	68.86	68.96	68.82	68.91	69.01	69.08	69.00	69.00	68.95	68.89	69.00	68.92	69.00	69.01	69.05	69.02	68.73	69.91	70.05	69.72	69.39	70.31	69.95	70.21	69.79	###	###	70.26	69.71	70.15	70.45	69.44	###	###	65.32	65.41	69.62	68.77	79.53	---	68.82	####
smn50	71.02	70.95	70.99	70.93	70.93	70.95	70.93	71.01	70.61	70.56	70.63	70.60	70.48	70.47	70.54	70.51	70.50	70.43	70.40	70.35	70.46	70.70	70.66	70.52	70.75	70.70	70.76	70.84	70.73	70.19	70.37	70.31	70.36	70.27	70.47	70.39	70.40	70.40	70.34	70.48	69.65	69.67	69.71	69.76	69.63	69.67	69.69	69.69	69.70	69.56	69.63	69.61	69.51	69.59	69.66	69.63	69.64	69.63	69.62	69.40	69.31	69.31	69.57	69.64	69.63	69.69	69.62	69.68	69.71	69.62	69.63	69.50	69.60	69.27	69.37	69.30	69.40	69.49	69.53	69.48	69.48	69.51	69.49	69.47	69.41	69.46	69.51	69.50	69.53	69.33	69.84	70.01	69.76	69.75	70.89	70.61	70.72	70.52	###	###	71.00	70.81	71.26	71.11	69.32	###	###	65.99	66.03	69.23	68.71	68.14	68.36	---	####
tb51	72.36	72.30	72.29	72.24	72.28	72.29	72.29	72.43	72.37	72.43	72.36	72.47	72.39	72.34	72.36	72.32	72.31	72.18	72.15	71.78	71.58	71.90	71.98	71.75	71.94	72.00	71.91	72.00	72.04	71.78	71.96	72.01	71.89	71.68	72.14	71.97	71.95	71.91	71.79	72.13	70.54	70.59	70.51	70.67	70.67	70.58	70.63	70.65	70.57	70.59	70.56	70.58	70.45	70.61	70.53	70.63	70.51	70.54	70.55	70.38	70.15	70.44	70.16	70.47	70.18	70.21	70.41	70.22	70.42	70.70	71.04	70.42	70.48	70.56	70.28	70.19	70.39	70.61	70.76	70.69	70.60	70.51	70.68	70.79	70.49	70.76	70.56	70.75	70.93	70.59	71.15	71.19	70.96	70.45	72.58	72.14	72.11	70.79	###	###	71.65	71.28	71.74	71.72	70.07	###	###	66.11	66.20	70.11	69.47	68.71	69.64	69.79	---

Supplementary Table 2c. Pairwise ANI-C score from 255 core genes

	ch56	re13	re12	re9	re14	re10	re11	rd55	r38	rrh31	r34	ra97	r42	rrb103	rrb102	rrb32	rrb104	rrb33	rph87	rg82	r41	rrh101	rrh29	r37	r93	rp88	rp26	rp25	r111	r44	r43	rj52	ro24	ri20	rw47	ro86	rw96	ro85	ro23	ro22	rey16	rq27	rey98	rey57	rq89	rey58	rq90	r60	r105	rey17	rey18	rey59	r107	rey15	r40	rrh30	ro84	rey19	rey99	r113	r108	rrh92	rf61	r35	r36	rf70	rf64	rf69	rf65	rf75	r110	rf72	r114	rf73	rf81	rf63	rf74	rf78	r112	rf77	rf76	rf80	rf66	r39	rf79	rf62	rf67	rf68	rf100	r45	rc54	rkr83	r94	r109	r95	r106	rt46	rk21	rr28	rr91	na53	nb6	nc7	nf8	g3	gb4	gp5	cd1	cd2	w115	w116	sr48	srg49	smn50	tb51
ch56	---	99.7	99.49	99.51	99.49	99.6	99.6	89.3	82.7	82.7	82.7	82.8	82.5	82.49	82.55	82.53	82.5	82.5	82.37	81.5	81.39	81.72	81.9	81.5	81.5	81.5	81.5	81.6	81.52	82.9	82.9	82.9	82.7	82.8	82.89	82.9	82.9	82.8	82.9	83	80.6	80.64	80.6	80.61	80.52	80.53	80.6	80.7	80.61	80.6	80.6	80.6	80.6	80.56	80.6	80.59	80.6	80.5	80.6	80.2	80.1	80.2	78.9	79.2	79.1	79.2	79.1	79.2	79.1	79.4	79.3	79.4	79.4	79	79	79	79	79.2	79.1	79.2	79.2	79.2	79.1	79.2	79.2	79.2	79.2	79.1	79.2	78.7	79.7	79.8	79.7	79.2	83.3	82.6	82.7	79.58	81	74	79.7	79.3	79.6	79.9	76.5	76	76	68.1	68.2	76.5	75.6	72.2	73	76.55	77.4
re13	99.66	---	99.49	99.5	99.47	99.6	99.6	89.3	82.6	82.7	82.7	82.7	82.5	82.47	82.53	82.52	82.5	82.4	82.35	81.6	81.43	81.72	81.9	81.5	81.6	81.6	81.5	81.6	81.54	82.9	82.9	82.9	82.7	82.9	82.94	83	82.9	82.9	82.9	83	80.5	80.59	80.56	80.58	80.49	80.49	80.6	80.6	80.57	80.6	80.6	80.57	80.56	80.54	80.56	80.56	80.57	80.5	80.6	80.2	80.1	80.1	78.9	79.2	79.2	79.2	79.2	79.2	79.1	79.4	79.3	79.4	79.3	78.9	79	78.9	79	79.1	79.1	79.2	79.2	79.2	79.1	79.1	79.1	79.1	79.1	79.1	79.1	78.7	79.8	79.8	79.7	79.1	83.2	82.6	82.7	79.61	81	74	79.7	79.3	79.6	79.9	76.5	76	76	68.1	68.3	76.5	75.6	72.2	72.9	76.53	77.5
re12	99.49	99.5	---	99.99	99.5	99.5	99.5	89.3	82.7	82.7	82.7	82.7	82.5	82.44	82.48	82.47	82.5	82.4	82.34	81.6	81.47	81.78	81.9	81.6	81.6	81.6	81.6	81.7	81.6	83	83	83	82.8	83	82.96	83	83	83	83	83.1	80.6	80.62	80.58	80.6	80.51	80.52	80.6	80.7	80.6	80.6	80.6	80.6	80.59	80.57	80.59	80.59	80.6	80.5	80.6	80.2	80.2	80.2	78.9	79.2	79.2	79.2	79.2	79.2	79.1	79.4	79.2	79.4	79.4	79	79	79	79.1	79.2	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	78.8	79.79	79.7	79.6	79	83.2	82.6	82.7	79.66	81	74	79.8	79.3	79.6	80	76.5	76	76	68.2	68.4	76.5	75.6	72.2	73.1	76.5	77.5
re9	99.51	99.5	99.99	---	99.51	99.5	99.5	89.3	82.7	82.7	82.7	82.8	82.5	82.46	82.5	82.49	82.5	82.4	82.36	81.6	81.47	81.8	81.9	81.6	81.7	81.7	81.6	81.7	81.63	82.9	82.9	82.9	82.7	82.9	82.88	82.9	82.9	82.9	82.9	83	80.6	80.62	80.58	80.6	80.51	80.52	80.6	80.7	80.6	80.6	80.6	80.58	80.58	80.57	80.62	80.59	80.6	80.5	80.6	80.2	80.3	80.3	78.9	79.2	79.2	79.2	79.2	79.2	79.1	79.4	79.3	79.4	79.4	79	79	79	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	78.8	79.78	79.7	79.6	79	83.2	82.6	82.7	79.66	81	74	79.8	79.4	79.6	79.9	76.5	76	76	68.1	68.3	76.6	75.6	72.2	73	76.49	77.5
re14	99.48	99.5	99.5	99.51	---	99.5	99.5	89.3	82.6	82.7	82.7	82.7	82.5	82.49	82.45	82.44	82.5	82.4	82.38	81.5	81.4	81.73	81.8	81.5	81.5	81.5	81.5	81.6	81.53	82.9	82.9	82.9	82.6	82.8	82.85	82.9	82.8	82.8	82.9	83	80.5	80.58	80.54	80.56	80.46	80.48	80.6	80.6	80.56	80.6	80.6	80.55	80.54	80.52	80.55	80.55	80.55	80.5	80.6	80.2	80.1	80.1	78.9	79.1	79.1	79.2	79.1	79.1	79.1	79.4	79.2	79.4	79.3	78.9	79	78.9	79	79.1	79.1	79.2	79.1	79.2	79.1	79.1	79.1	79.1	79.1	79.1	79.1	78.7	79.75	79.8	79.7	79	83.2	82.5	82.7	79.6	81	74	79.7	79.3	79.6	79.9	76.4	76	76	68	68.2	76.5	75.6	72.1	72.9	76.51	77.5
re10	99.62	99.6	99.5	99.5	99.46	---	99.6	89.3	82.6	82.7	82.7	82.7	82.5	82.41	82.43	82.42	82.4	82.4	82.29	81.5	81.4	81.74	81.8	81.5	81.5	81.5	81.5	81.6	81.53	82.9	82.9	82.9	82.7	82.8	82.85	82.9	82.9	82.9	82.9	83	80.5	80.57	80.53	80.55	80.45	80.46	80.6	80.6	80.55	80.5	80.5	80.53	80.53	80.5	80.52	80.53	80.53	80.5	80.5	80.2	80.1	80.2	78.9	79.1	79.1	79.1	79.1	79.1	79	79.4	79.2	79.4	79.4	79	79	79	79	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79	79.1	78.7	79.77	79.7	79.6	79.1	83.2	82.6	82.6	79.6	81	74	79.7	79.3	79.6	79.9	76.4	76	76	68	68.2	76.5	75.6	72.1	73	76.48	77.5
re11	99.58	99.6	99.48	99.49	99.47	99.6	---	89.3	82.6	82.6	82.7	82.7	82.5	82.41	82.42	82.41	82.4	82.4	82.3	81.6	81.42	81.69	81.8	81.5	81.6	81.6	81.5	81.6	81.55	82.9	82.9	82.9	82.7	82.8	82.81	82.9	82.8	82.8	82.9	83	80.5	80.58	80.54	80.56	80.48	80.48	80.6	80.6	80.56	80.6	80.6	80.55	80.55	80.51	80.57	80.54	80.55	80.5	80.6	80.2	80.2	80.2	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.2	79.4	79.3	79	79	79	79	79.1	79.1	79.1	79.1	79.2	79.1	79.1	79.1	79.2	79.1	79.1	79.1	78.7	79.75	79.7	79.6	79	83.1	82.5	82.6	79.63	81	74	79.7	79.3	79.6	79.9	76.4	76	76	68	68.1	76.5	75.6	72.2	73.1	76.51	77.5
rd55	89.24	89.3	89.27	89.26	89.24	89.2	89.2	---	82.6	82.7	82.7	82.7	82.5	82.52	82.49	82.47	82.5	82.4	82.37	81.5	81.45	81.78	81.9	81.6	81.8	81.7	81.6	81.7	81.6	83.1	83.1	83.1	83	83	83.09	83.1	82.9	83	83	83.2	80.8	80.83	80.78	80.8	80.67	80.82	80.8	80.8	80.81	80.8	80.8	80.85	80.82	80.8	80.77	80.81	80.81	80.8	80.8	80.4	80.3	80.4	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.3	79.4	79.4	79	79	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.1	79.1	79.2	78.8	79.8	79.8	79.8	79.2	83.5	82.8	82.7	79.75	81	74	80	79.4	79.7	80.1	76.5	76	76	68.2	68.3	76.6	75.7	72	73.3	76.67	77.6
r38	82.69	82.7	82.73	82.68	82.66	82.7	82.7	82.7	---	99.8	99.8	99.8	94.9	94.91	94.92	94.94	94.9	94.7	85.96	84.6	84.58	84.77	84.9	84.7	84.8	84.7	84.7	84.8	84.7	82.2	82.2	82.2	82.1	82.1	82.17	82.3	82.1	82.1	82.1	82.3	79.3	79.41	79.38	79.4	79.17	79.35	79.3	79.4	79.33	79.4	79.4	79.38	79.38	79.37	79.29	79.37	79.38	79.3	79.4	78.8	78.7	78.8	78.2	78.4	78.4	78.4	78.4	78.4	78.3	78.8	78.8	78.7	78.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.1	79.69	79.6	79.3	78.7	82.3	81.8	81.8	79.44	81	74	80	79.6	79.9	80.6	76.7	77	76	67.9	68	77	75.7	72.5	73.5	76.3	77.4
rrh31	82.69	82.7	82.73	82.68	82.71	82.7	82.7	82.7	99.8	---	99.9	99.8	94.9	94.93	94.93	94.95	94.9	94.8	86	84.5	84.55	84.82	84.9	84.7	84.7	84.7	84.6	84.7	84.68	82.2	82.2	82.2	82.1	82.1	82.16	82.3	82.1	82.2	82.2	82.4	79.4	79.48	79.45	79.47	79.28	79.42	79.4	79.5	79.4	79.5	79.5	79.47	79.46	79.46	79.37	79.44	79.46	79.4	79.4	78.8	78.8	78.8	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.8	78.8	78.7	78.8	78.4	78.4	78.4	78.5	78.4	78.4	78.4	78.4	78.4	78.5	78.4	78.4	78.4	78.4	78.4	78.4	78.1	79.69	79.6	79.4	78.7	82.3	81.8	81.9	79.44	81	74	80	79.6	79.9	80.6	76.8	77	76	67.9	67.9	76.9	75.7	72.4	73.5	76.27	77.5
r34	82.72	82.7	82.76	82.71	82.75	82.7	82.7	82.8	99.8	99.9	---	99.8	94.9	94.93	94.93	94.95	94.9	94.7	86.02	84.6	84.55	84.81	84.9	84.7	84.8	84.7	84.7	84.8	84.7	82.2	82.1	82.2	82.1	82.1	82.12	82.2	82.1	82.1	82.1	82.4	79.4	79.45	79.42	79.44	79.21	79.38	79.4	79.4	79.36	79.4	79.4	79.42	79.42	79.4	79.33	79.4	79.41	79.3	79.4	78.8	78.7	78.8	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.8	78.8	78.7	78.7	78.4	78.4	78.4	78.5	78.4	78.4	78.4	78.4	78.4	78.5	78.4	78.5	78.4	78.5	78.4	78.4	78.1	79.7	79.6	79.3	78.7	82.3	81.8	81.9	79.43	81	74	80	79.6	79.9	80.6	76.8	77	76	67.9	67.9	77	75.7	72.5	73.5	76.29	77.5
ra97	82.78	82.8	82.81	82.77	82.76	82.7	82.8	82.8	99.8	99.8	99.8	---	94.9	94.92	94.95	94.96	95	94.7	86.12	84.6	84.68	84.89	85	84.8	84.8	84.7	84.7	84.8	84.76	82.2	82.2	82.2	82.1	82.2	82.2	82.3	82.2	82.1	82.2	82.4	79.4	79.42	79.38	79.41	79.18	79.37	79.4	79.4	79.36	79.4	79.4	79.41	79.39	79.37	79.29	79.37	79.39	79.3	79.4	78.8	78.8	78.8	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.9	78.8	78.8	78.8	78.4	78.4	78.4	78.5	78.4	78.4	78.5	78.4	78.4	78.5	78.4	78.5	78.4	78.5	78.4	78.4	78.1	79.77	79.8	79.4	78.8	82.4	81.9	81.9	79.53	81	74	80.1	79.6	80	80.6	76.8	77	76	67.8	67.9	77	75.7	72.6	73.6	76.32	77.6
r42	82.45	82.5	82.51	82.47	82.46	82.4	82.4	82.6	94.9	94.9	94.9	94.9	---	99.7	99.68	99.69	99.7	97.2	85.81	84.3	84.3	84.55	84.7	84.4	84.4	84.4	84.4	84.5	84.43	81.8	81.8	81.8	81.7	81.8	81.81	81.9	81.8	81.8	81.9	82.1	79.3	79.33	79.28	79.3	79.16	79.26	79.3	79.3	79.3	79.3	79.3	79.33	79.3	79.32	79.33	79.31	79.31	79.3	79.3	78.6	78.6	78.6	78	78.3	78.3	78.3	78.3	78.3	78.3	78.6	78.5	78.5	78.5	78.1	78.2	78.1	78.2	78.2	78.2	78.3	78.2	78.2	78.3	78.2	78.2	78.2	78.2	78.2	78.2	77.8	79.42	79.4	79.1	78.6	82	81.5	81.7	79.21	80	74	79.6	79.3	79.6	80.2	76.6	77	76	67.6	67.7	76.7	75.7	72.3	73.4	76.01	77.2
rrb103	82.4	82.4	82.45	82.41	82.44	82.4	82.4	82.6	94.9	94.9	94.9	94.9	99.7	---	99.77	99.76	99.9	97.2	85.8	84.4	84.32	84.58	84.7	84.4	84.4	84.4	84.4	84.5	84.46	81.8	81.7	81.8	81.7	81.7	81.72	81.8	81.7	81.7	81.9	82	79.3	79.34	79.29	79.31	79.2	79.27	79.3	79.3	79.3	79.3	79.4	79.36	79.33	79.35	79.34	79.34	79.35	79.3	79.3	78.6	78.6	78.6	78	78.3	78.3	78.3	78.3	78.2	78.3	78.6	78.5	78.5	78.5	78.2	78.2	78.1	78.2	78.2	78.2	78.3	78.2	78.3	78.3	78.3	78.3	78.2	78.3	78.2	78.2	77.8	79.38	79.4	79.1	78.5	82	81.6	81.7	79.18	80	74	79.6	79.4	79.7	80.2	76.6	77	76	67.9	68	76.7	75.7	72.3	73.5	76.02	77.2
rrb102	82.47	82.5	82.47	82.43	82.42	82.4	82.4	82.5	94.9	94.9	94.9	94.9	99.7	99.76	---	99.8	99.8	97.2	85.86	84.3	84.33	84.59	84.7	84.4	84.5	84.5	84.4	84.5	84.48	81.9	81.8	81.8	81.8	81.8	81.8	81.9	81.8	81.8	81.9	82.1	79.3	79.34	79.3	79.31	79.16	79.27	79.3	79.3	79.32	79.4	79.3	79.34	79.35	79.37	79.35	79.35	79.36	79.3	79.3	78.7	78.7	78.7	78	78.3	78.4	78.3	78.3	78.3	78.3	78.6	78.5	78.6	78.6	78.2	78.2	78.2	78.3	78.3	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.2	78.3	77.9	79.44	79.4	79.1	78.6	82	81.5	81.6	79.21	80	74	79.6	79.4	79.7	80.2	76.5	77	76	67.8	67.9	76.7	75.7	72.2	73.5	76.01	77.2
rrb32	82.48	82.5	82.48	82.44	82.42	82.4	82.4	82.6	94.9	94.9	94.9	94.9	99.7	99.76	99.8	---	99.8	97.2	85.87	84.4	84.34	84.61	84.7	84.4	84.5	84.4	84.4	84.5	84.46	81.9	81.8	81.8	81.7	81.8	81.82	81.9	81.8	81.8	81.9	82.1	79.3	79.33	79.28	79.3	79.17	79.26	79.3	79.3	79.3	79.3	79.3	79.35	79.32	79.34	79.33	79.33	79.34	79.3	79.3	78.7	78.6	78.7	78	78.3	78.3	78.3	78.3	78.3	78.3	78.6	78.5	78.6	78.6	78.2	78.2	78.2	78.3	78.3	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.2	78.3	77.9	79.44	79.4	79.1	78.6	82	81.5	81.6	79.21	80	74	79.6	79.4	79.7	80.2	76.6	77	76	67.7	67.8	76.7	75.7	72.3	73.6	76.04	77.2
rrb104	82.45	82.5	82.48	82.45	82.48	82.4	82.4	82.6	94.9	94.9	94.9	94.9	99.7	99.84	99.78	99.78	---	97.2	85.84	84.3	84.35	84.62	84.7	84.4	84.5	84.5	84.5	84.5	84.5	81.9	81.8	81.9	81.8	81.8	81.83	81.9	81.8	81.8	81.9	82.1	79.3	79.37	79.32	79.34	79.21	79.3	79.3	79.3	79.34	79.4	79.4	79.39	79.36	79.38	79.36	79.37	79.38	79.3	79.3	78.7	78.7	78.7	78	78.3	78.3	78.3	78.3	78.3	78.3	78.6	78.6	78.6	78.6	78.2	78.2	78.2	78.3	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	77.9	79.44	79.4	79.1	78.6	82.1	81.6	81.7	79.26	80	74	79.7	79.4	79.7	80.2	76.6	77	76	67.7	67.8	76.7	75.7	72.3	73.5	76.04	77.2
rrb33	82.43	82.4	82.46	82.42	82.44	82.4	82.4	82.5	94.7	94.8	94.7	94.8	97.2	97.22	97.19	97.2	97.2	---	85.79	84.2	84.22	84.5	84.6	84.4	84.4	84.4	84.3	84.4	84.36	81.8	81.7	81.8	81.7	81.8	81.73	81.8	81.7	81.7	81.8	82	79.3	79.32	79.25	79.28	79.15	79.23	79.2	79.3	79.28	79.3	79.3	79.29	79.26	79.25	79.24	79.26	79.27	79.2	79.2	78.6	78.7	78.6	78	78.2	78.2	78.3	78.2	78.2	78.3	78.6	78.5	78.5	78.5	78.2	78.1	78.1	78.2	78.2	78.2	78.3	78.2	78.2	78.3	78.2	78.2	78.2	78.2	78.2	78.3	77.8	79.35	79.3	79	78.5	81.9	81.5	81.6	79.13	80	74	79.6	79.2	79.6	80.2	76.4	76	76	67.9	67.8	76.7	75.6	72.3	73.4	75.99	77
rph87	82.34	82.4	82.36	82.33	82.38	82.3	82.3	82.4	86	86.1	86.1	86.2	85.8	85.81	85.87	85.87	85.9	85.9	---	85.2	85.26	85.55	85.6	85.2	85.4	85.3	85.3	85.4	85.35	81.5	81.4	81.5	81.4	81.5	81.49	81.5	81.5	81.5	81.5	81.6	79.1	79.14	79.15	79.14	78.93	79.13	79.1	79.1	79.12	79.2	79.2	79.16	79.12	79.13	79.08	79.17	79.18	79.1	79.1	78.6	78.7	78.7	78	78.1	78.1	78.1	78.1	78.1	78.1	78.5	78.4	78.5	78.5	78	78.1	78.1	78.2	78.2	78.3	78.3	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.2	78.3	77.9	79.1	79.1	78.9	78.4	81.6	81.5	81.6	79.06	80	74	79.3	79.1	79.2	79.6	76.3	76	76	67.9	67.9	76.5	75.6	72.2	73.2	76.14	76.7
rg82	81.51	81.5	81.58	81.54	81.52	81.5	81.5	81.5	84.6	84.5	84.6	84.6	84.3	84.38	84.39	84.39	84.4	84.4	85.22	---	98.78	94.38	94.5	94.3	94.4	94.4	94.3	94.4	94.36	80.9	80.8	80.9	80.7	80.8	80.76	80.8	80.8	80.8	80.8	81	78.7	78.67	78.68	78.7	78.49	78.7	78.7	78.7	78.64	78.7	78.7	78.73	78.69	78.7	78.63	78.71	78.72	78.6	78.6	78.2	78.1	78.2	77.5	77.8	77.8	77.8	77.8	77.7	77.8	77.9	77.9	78	78	77.7	77.7	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.4	78.92	79	78.6	78.1	80.8	80.7	80.8	78.39	80	74	78.9	78.4	78.8	79.2	76	76	76	68	68	76.3	75.4	71.8	73	75.79	76.7
r41	81.37	81.4	81.46	81.38	81.36	81.4	81.4	81.4	84.6	84.6	84.6	84.7	84.3	84.31	84.34	84.35	84.3	84.3	85.24	98.8	---	94.24	94.4	94.1	94.2	94.2	94.1	94.2	94.18	80.8	80.8	80.8	80.8	80.8	80.72	80.8	80.7	80.8	80.8	80.9	78.7	78.71	78.71	78.77	78.51	78.77	78.7	78.7	78.68	78.8	78.8	78.81	78.76	78.77	78.75	78.79	78.8	78.7	78.7	78	78	78	77.5	77.7	77.7	77.7	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.3	78.84	78.9	78.6	78.1	80.7	80.6	80.8	78.42	80	74	78.9	78.4	78.6	79.2	76.2	76	76	68.1	68.1	76.3	75.5	71.9	72.9	75.82	76.6
rrh101	81.71	81.7	81.75	81.7	81.69	81.7	81.7	81.8	84.8	84.8	84.9	84.9	84.6	84.59	84.6	84.6	84.6	84.5	85.49	94.3	94.28	---	97.5	97	97.1	97	96.9	97.1	97.11	81.2	81.1	81.2	81	81.1	81.1	81.2	81.1	81.1	81.2	81.2	78.8	78.85	78.85	78.88	78.66	78.87	78.8	78.8	78.84	78.9	78.9	78.86	78.83	78.83	78.72	78.89	78.91	78.7	78.8	78.2	78.2	78.2	77.6	77.9	77.9	77.9	77.9	77.9	77.9	78.2	78.1	78.2	78.1	77.8	77.8	77.8	77.8	78	78	78	78	78	78	78	78	78	78	78	78	77.5	79.07	79.2	78.8	78.2	81.1	80.9	81	78.58	80	74	79.1	78.6	78.8	79.3	76.2	76	76	68.2	68.3	76.5	75.3	72	73	76.02	76.7
rrh29	81.85	81.8	81.89	81.83	81.83	81.8	81.8	81.9	84.9	84.9	84.9	85	84.7	84.71	84.72	84.73	84.7	84.6	85.6	94.4	94.44	97.54	---	97.1	97.3	97.2	97.1	97.3	97.29	81.2	81.1	81.2	81	81.2	81.16	81.2	81.1	81.1	81.2	81.3	78.9	78.94	78.97	78.96	78.76	78.93	78.9	78.9	78.92	78.9	78.9	78.92	78.88	78.87	78.86	78.88	78.89	78.7	78.9	78.2	78.2	78.2	77.7	78	77.9	78	77.9	77.9	78	78.3	78.2	78.2	78.2	77.9	77.9	77.8	77.9	78	78	78	78.1	78.1	78.1	78	78.1	78	78	78	78.1	77.7	79.13	79.2	79	78.3	81.1	80.9	81	78.64	80	74	79.2	78.8	79	79.4	76.3	76	76	68.1	68.1	76.7	75.6	72	73.1	76.17	76.8
r37	81.49	81.5	81.54	81.49	81.47	81.5	81.5	81.6	84.7	84.7	84.7	84.8	84.4	84.4	84.42	84.42	84.4	84.4	85.24	94.3	94.19	96.98	97.1	---	99.4	99.4	99.5	99.3	99.31	81	81	81	80.9	81	80.95	81	80.9	81	81	81	78.8	78.76	78.79	78.8	78.56	78.78	78.6	78.7	78.75	78.7	78.8	78.76	78.69	78.73	78.6	78.72	78.73	78.6	78.6	78	78	78	77.5	77.8	77.8	77.8	77.8	77.8	77.8	78	77.9	78	78	77.7	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.5	78.99	78.9	78.7	78	80.9	80.7	80.9	78.49	80	74	79	78.4	78.8	79.1	76	76	76	68.1	68.1	76.4	75.4	71.9	72.9	75.83	76.5
r93	81.54	81.6	81.59	81.54	81.53	81.5	81.5	81.8	84.8	84.7	84.8	84.8	84.5	84.46	84.47	84.48	84.5	84.4	85.35	94.4	94.32	97.08	97.2	99.4	---	99.6	99.4	99.4	99.54	81	81	81	80.9	81	80.97	81	81	81	81	81.1	78.8	78.8	78.83	78.83	78.6	78.82	78.7	78.7	78.78	78.8	78.8	78.8	78.74	78.77	78.58	78.76	78.77	78.7	78.7	78.1	78	78.1	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.1	78	78	78	77.7	77.7	77.7	77.8	77.9	77.8	77.9	77.9	77.9	77.8	77.8	77.9	77.9	77.8	77.8	77.8	77.5	78.98	79	78.7	78.1	80.9	80.7	80.9	78.55	80	74	79	78.5	78.8	79.1	76.1	76	76	68.2	68.2	76.4	75.4	71.9	72.9	75.88	76.6
rp88	81.54	81.6	81.59	81.55	81.54	81.6	81.6	81.7	84.7	84.7	84.7	84.7	84.4	84.39	84.41	84.4	84.4	84.4	85.28	94.4	94.3	97.03	97.2	99.4	99.6	---	99.4	99.4	99.43	81	81	81	80.9	81	80.95	81	81	81	81	81	78.8	78.83	78.85	78.86	78.62	78.85	78.7	78.8	78.81	78.8	78.8	78.86	78.79	78.83	78.62	78.81	78.82	78.7	78.7	78.1	78	78.1	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.1	77.9	78	78	77.7	77.6	77.6	77.7	77.8	77.8	77.8	77.9	77.8	77.8	77.8	77.9	77.8	77.8	77.8	77.8	77.5	78.96	78.9	78.7	78.1	80.9	80.7	80.9	78.51	80	74	79	78.5	78.8	79.1	76.1	76	76	68.1	68.2	76.4	75.4	71.9	72.9	75.87	76.6
rp26	81.45	81.5	81.5	81.44	81.45	81.5	81.5	81.6	84.7	84.7	84.7	84.8	84.3	84.36	84.37	84.37	84.4	84.3	85.22	94.3	94.19	96.91	97.1	99.5	99.4	99.4	---	99.3	99.4	80.9	80.9	80.9	80.8	80.9	80.84	80.9	80.9	80.9	80.9	80.9	78.7	78.72	78.75	78.69	78.52	78.79	78.6	78.6	78.64	78.7	78.8	78.74	78.72	78.71	78.7	78.74	78.75	78.6	78.7	78.1	78	78.1	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78	77.9	77.9	77.9	77.6	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.7	77.7	77.7	77.8	77.4	78.93	78.8	78.6	77.9	80.8	80.6	80.8	78.47	80	74	79	78.5	78.8	79.1	76.1	76	76	68.1	68.2	76.3	75.2	71.8	72.9	75.93	76.5
rp25	81.6	81.6	81.66	81.61	81.6	81.6	81.6	81.7	84.7	84.7	84.8	84.8	84.4	84.45	84.47	84.47	84.5	84.4	85.32	94.3	94.25	97.1	97.3	99.3	99.4	99.4	99.3	---	99.38	81	80.9	81	80.9	81	80.96	81	81	81	81	81	78.8	78.81	78.84	78.85	78.58	78.83	78.7	78.7	78.8	78.8	78.8	78.81	78.74	78.78	78.65	78.77	78.78	78.7	78.7	78.1	78	78.1	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.1	78	78	77.9	77.7	77.7	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.5	79.06	79	78.7	78.1	80.9	80.7	80.9	78.57	80	74	79.1	78.5	78.9	79.2	76.1	76	76	68.2	68.2	76.3	75.4	71.9	72.9	75.92	76.6
r111	81.52	81.6	81.57	81.52	81.53	81.5	81.5	81.7	84.7	84.7	84.7	84.7	84.4	84.41	84.42	84.42	84.4	84.4	85.31	94.4	94.24	97.12	97.3	99.4	99.5	99.4	99.4	99.4	---	81	81	81	80.9	80.9	80.93	81	80.9	81	81	81	78.7	78.74	78.76	78.77	78.53	78.76	78.6	78.7	78.72	78.7	78.8	78.75	78.72	78.71	78.54	78.73	78.75	78.6	78.7	78.1	78	78.1	77.5	77.8	77.8	77.8	77.8	77.8	77.8	78.1	77.9	78	77.9	77.7	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.8	77.8	77.8	77.8	77.5	78.94	79	78.7	78	80.9	80.7	80.9	78.47	80	74	79	78.4	78.8	79.1	76.1	76	76	68.2	68.2	76.3	75.4	71.8	72.9	75.87	76.6
r44	82.84	82.8	82.88	82.85	82.84	82.8	82.8	83.1	82.2	82.2	82.2	82.2	81.8	81.84	81.85	81.85	81.8	81.8	81.61	80.9	80.84	81.26	81.2	81	81	81	80.9	81	81.05	---	99.6	99.8	97.2	97.1	97.17	97.3	97.2	97.2	97.3	94.9	82.2	82.19	82.18	82.18	81.97	82.09	82.1	82.2	82.2	82.2	82.2	82.2	82.17	82.19	82.18	82.22	82.24	82.1	82.2	81.7	81.6	81.7	79.2	79.3	79.3	79.4	79.3	79.3	79.3	79.7	79.5	79.5	79.5	79.3	79.2	79.3	79.3	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	78.9	79.71	79.6	79.6	79.2	83	81.7	81.9	79.28	81	74	79.4	79.1	79.2	79.4	76	76	76	67.8	67.8	76.2	75.5	71.8	72.7	76.04	76.8
r43	82.86	82.9	82.92	82.87	82.82	82.8	82.9	83.1	82.1	82.2	82.2	82.1	81.8	81.76	81.74	81.74	81.8	81.8	81.56	80.9	80.83	81.15	81.1	81	81	81	80.9	81	80.99	99.6	---	99.6	97.2	97.1	97.19	97.3	97.1	97.2	97.3	94.8	82.1	82.18	82.13	82.18	81.97	82.09	82.1	82.2	82.2	82.2	82.2	82.21	82.18	82.2	82.2	82.22	82.23	82.1	82.2	81.7	81.6	81.7	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.5	79.6	79.6	79.3	79.3	79.3	79.4	79.3	79.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79	79.73	79.6	79.6	79.2	82.9	81.8	81.9	79.31	81	73	79.4	79.2	79.2	79.5	76.1	76	76	67.8	67.8	76.3	75.6	71.8	72.9	75.98	76.8
rj52	82.87	82.9	82.93	82.88	82.83	82.9	82.9	83.1	82.2	82.2	82.2	82.1	81.8	81.74	81.73	81.73	81.8	81.7	81.62	80.9	80.82	81.2	81.2	81	81	81	80.9	81	81.03	99.8	99.6	---	97.2	97.1	97.15	97.3	97.1	97.2	97.3	94.8	82.1	82.21	82.16	82.17	81.96	82.08	82.1	82.1	82.19	82.2	82.2	82.21	82.18	82.21	82.19	82.23	82.24	82.1	82.2	81.7	81.7	81.7	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.4	79.6	79.6	79.2	79.3	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79	79.72	79.6	79.6	79.2	82.9	81.7	81.9	79.32	81	73	79.4	79.2	79.3	79.5	76	76	76	67.8	67.8	76.2	75.5	71.9	72.8	76.02	76.8
ro24	82.66	82.7	82.68	82.65	82.59	82.6	82.6	83	82.1	82.1	82.1	82.2	81.7	81.68	81.7	81.7	81.8	81.7	81.5	80.8	80.71	81.05	81	80.9	81	81	80.8	81	80.96	97.2	97.2	97.2	---	99	99.12	99.3	97.2	97.3	98.2	94.9	82.2	82.1	82.09	82.06	81.78	82.06	82	82	82.21	82.2	82.2	82.12	82.13	82.17	82.16	82.2	82.21	82.1	82.2	81.6	81.6	81.6	79	79.3	79.3	79.2	79.2	79.2	79.2	79.5	79.3	79.5	79.5	79.2	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.1	79.2	79.2	79.2	79.2	79.2	78.9	79.48	79.5	79.5	79	82.8	81.6	81.8	79.26	81	74	79.3	79.2	79.1	79.3	76	76	76	67.9	67.7	76	75.6	71.6	72.6	76.06	76.6
ri20	82.8	82.8	82.85	82.8	82.77	82.8	82.8	83.1	82.2	82.2	82.2	82.2	81.8	81.77	81.81	81.82	81.8	81.8	81.62	80.9	80.71	81.09	81.1	81	81.1	81	80.9	81.1	80.96	97.2	97.1	97.1	99	---	98.78	99	97	97.1	97.9	94.8	82.1	82.13	82.08	82.09	81.88	81.98	82	82.1	82.15	82.2	82.2	82.14	82.11	82.14	82.13	82.16	82.17	82.1	82.1	81.6	81.6	81.6	79	79.3	79.3	79.2	79.2	79.2	79.2	79.6	79.5	79.5	79.5	79.3	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	78.9	79.59	79.5	79.5	79.1	82.9	81.8	81.9	79.26	81	73	79.3	79.1	79.1	79.4	76	76	76	67.8	67.9	76.1	75.6	71.8	72.7	76.05	76.7
rw47	82.87	82.9	82.92	82.82	82.83	82.8	82.8	83.1	82.2	82.2	82.2	82.2	81.8	81.74	81.8	81.81	81.8	81.8	81.58	80.8	80.73	81.09	81.2	80.9	81	81	80.9	81	80.98	97.2	97.2	97.2	99.1	98.8	---	99.8	97.1	97.1	98.1	94.8	82.1	82.17	82.12	82.17	82.06	82.04	82.1	82.1	82.2	82.2	82.2	82.22	82.14	82.2	82.16	82.19	82.2	82.1	82.2	81.6	81.6	81.7	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.6	79.4	79.5	79.5	79.2	79.2	79.2	79.3	79.2	79.3	79.3	79.3	79.3	79.3	79.2	79.2	79.3	79.3	79.3	79.2	78.9	79.68	79.6	79.5	79.1	83	81.8	81.9	79.27	81	74	79.3	79.1	79.2	79.4	76	76	76	67.9	67.9	76.1	75.7	71.7	72.7	76.15	76.7
ro86	82.92	82.9	82.9	82.86	82.88	82.9	82.9	83.1	82.3	82.3	82.3	82.3	81.8	81.83	81.89	81.9	81.9	81.9	81.68	80.9	80.8	81.22	81.2	81	81.1	81.1	81	81.1	81.06	97.3	97.3	97.3	99.3	99	99.82	---	97.2	97.3	98.2	94.9	82.2	82.26	82.21	82.26	82.07	82.12	82.2	82.2	82.24	82.3	82.3	82.32	82.24	82.3	82.26	82.29	82.31	82.2	82.2	81.7	81.7	81.8	79.2	79.4	79.3	79.3	79.3	79.3	79.3	79.7	79.5	79.6	79.6	79.3	79.3	79.3	79.4	79.3	79.3	79.4	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.3	79.3	78.9	79.7	79.6	79.6	79.2	83	81.8	81.9	79.37	81	74	79.4	79.3	79.2	79.6	76	76	76	68	68	76.1	75.7	71.8	72.7	76.17	76.8
rw96	82.87	82.9	82.93	82.84	82.86	82.8	82.8	83	82.2	82.2	82.2	82.2	81.7	81.7	81.72	81.72	81.8	81.7	81.56	80.9	80.8	81.14	81.1	80.9	81	81	80.9	81	80.95	97.2	97.1	97.1	97.2	97	97.09	97.2	---	99.5	97.2	94.9	82.2	82.24	82.18	82.12	82	82.1	82.2	82.2	82.26	82.2	82.2	82.22	82.18	82.21	82.19	82.18	82.19	82.1	82.2	81.7	81.6	81.7	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.6	79.4	79.5	79.5	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.2	79	79.62	79.6	79.5	79.1	82.9	81.7	81.9	79.28	81	73	79.5	79.1	79.2	79.5	75.9	76	76	67.8	67.9	76.1	75.7	72	72.7	75.98	76.8
ro85	82.84	82.9	82.89	82.82	82.8	82.8	82.8	83	82.1	82.2	82.1	82.1	81.7	81.68	81.7	81.71	81.8	81.7	81.55	80.8	80.77	81.09	81.1	80.9	81	81	80.9	81	80.96	97.2	97.2	97.2	97.3	97.1	97.13	97.3	99.5	---	97.3	95	82.1	82.2	82.13	82.09	81.96	82.04	82.1	82.1	82.21	82.2	82.2	82.19	82.17	82.18	82.17	82.16	82.17	82.1	82.1	81.8	81.6	81.7	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.6	79.4	79.5	79.5	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.2	79.3	79.2	79.2	79.3	79.3	79.3	79.2	79.3	79	79.55	79.6	79.5	79.1	82.9	81.7	81.9	79.31	81	73	79.3	79.1	79.2	79.5	76	76	76	67.8	67.9	76.1	75.6	71.7	72.7	76.05	76.7
ro23	82.86	82.9	82.94	82.86	82.81	82.8	82.8	83	82.2	82.2	82.2	82.1	81.8	81.85	81.81	81.82	81.9	81.8	81.63	80.9	80.82	81.24	81.3	80.9	81	81	80.9	81	81	97.3	97.3	97.3	98.2	97.9	98.09	98.2	97.2	97.3	---	95.1	82.2	82.34	82.28	82.29	82.1	82.23	82.3	82.3	82.37	82.4	82.4	82.36	82.31	82.33	82.23	82.35	82.36	82.3	82.3	81.8	81.7	81.8	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.5	79.5	79.5	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.3	79.3	79.3	79.3	79.3	79.4	79.3	79.3	79.3	78.9	79.65	79.6	79.6	79.1	83	81.8	82	79.25	81	74	79.5	79.3	79.2	79.4	76	76	76	67.8	67.9	76.1	75.6	71.8	72.7	76.14	76.7
ro22	83	83	83.04	82.97	82.96	83	83	83.3	82.3	82.4	82.4	82.4	82	82.01	82.03	82.05	82.1	82	81.76	81	80.95	81.16	81.3	81	81.1	81.1	81	81.1	81.09	94.8	94.8	94.8	94.9	94.8	94.8	94.9	94.9	95	95.1	---	82.2	82.28	82.22	82.27	82.03	82.18	82.2	82.2	82.29	82.2	82.2	82.26	82.2	82.27	82.11	82.24	82.25	82.1	82.2	81.7	81.7	81.8	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.8	79.6	79.7	79.7	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.4	79.5	79.5	79.4	79.4	79	79.72	79.7	79.6	79.2	83.2	82	82.1	79.43	81	74	79.5	79.3	79.3	79.6	76.1	76	76	68	67.9	76.3	75.6	72	73	76.14	76.9
rey16	80.6	80.6	80.62	80.58	80.58	80.6	80.6	80.9	79.4	79.4	79.4	79.4	79.3	79.35	79.35	79.35	79.4	79.3	79.16	78.7	78.7	78.85	79	78.8	78.8	78.8	78.7	78.9	78.77	82.2	82.2	82.2	82.2	82.2	82.21	82.3	82.2	82.2	82.4	82.3	---	99.01	99.02	99.06	98.86	98.66	98.8	98.9	98.66	97.4	97.5	97.37	97.35	97.35	97.33	97.44	97.44	97.3	97.3	87.6	87.6	87.5	78	78.1	78.2	78.1	78.1	78.1	78.1	78.4	78.2	78.4	78.3	78.1	78	78	78.1	78	77.9	78	78	78	77.9	78	78	78	78	78	78	77.8	77.82	77.8	77.8	77.6	80.3	79.5	79.5	77.14	78	72	77.4	76.9	77.1	77.2	74.5	74	74	67.8	67.9	74.7	74.3	70.7	71.1	74.86	75.3
rq27	80.65	80.6	80.65	80.62	80.62	80.6	80.6	80.9	79.4	79.5	79.5	79.5	79.3	79.36	79.36	79.35	79.4	79.3	79.14	78.7	78.67	78.84	79	78.8	78.8	78.8	78.7	78.8	78.75	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.4	82.3	99	---	99.29	99.3	99.25	98.74	99.1	99.2	98.93	97.4	97.5	97.48	97.31	97.45	97.39	97.42	97.42	97.4	97.4	87.6	87.6	87.6	78	78.2	78.2	78.1	78.2	78.2	78.1	78.4	78.2	78.4	78.4	78.1	78	78.1	78.1	78	78	78	78	78	78	78.1	78	78	78	78	78	77.8	77.82	77.8	77.8	77.6	80.4	79.5	79.5	77.19	79	72	77.5	77	77.1	77.2	74.5	74	74	67.7	67.8	74.8	74.3	70.8	71.1	74.94	75.3
rey98	80.6	80.6	80.6	80.56	80.56	80.6	80.6	80.9	79.4	79.5	79.4	79.4	79.3	79.32	79.34	79.3	79.3	79.3	79.15	78.7	78.68	78.84	79	78.8	78.8	78.8	78.8	78.9	78.77	82.2	82.1	82.1	82.1	82.1	82.12	82.2	82.2	82.2	82.3	82.2	99	99.29	---	99.35	99.12	98.83	99	99.1	98.89	97.4	97.4	97.4	97.27	97.39	97.33	97.35	97.35	97.3	97.3	87.5	87.5	87.5	78	78.2	78.2	78.1	78.1	78.2	78.1	78.4	78.2	78.4	78.4	78.1	78	78	78.1	78	78	78	78	78	77.9	78	78	78	78	78	78	77.8	77.85	77.8	77.8	77.6	80.4	79.6	79.5	77.13	78	72	77.4	77	77.1	77.2	74.5	74	74	67.9	67.9	74.8	74.3	70.7	71.2	74.92	75.3
rey57	80.63	80.6	80.63	80.59	80.6	80.6	80.6	80.9	79.4	79.5	79.5	79.4	79.3	79.34	79.34	79.32	79.4	79.3	79.15	78.7	78.73	78.87	79	78.8	78.9	78.9	78.7	78.9	78.79	82.2	82.2	82.2	82.1	82.1	82.21	82.3	82.2	82.2	82.3	82.3	99.1	99.29	99.35	---	99.14	98.83	99.1	99.2	98.94	97.3	97.4	97.41	97.26	97.4	97.34	97.34	97.34	97.3	97.3	87.6	87.5	87.5	77.9	78.1	78.2	78.1	78.1	78.1	78.1	78.4	78.2	78.3	78.3	78.1	78	78	78.1	78	77.9	78	78	78	77.9	78	78	78	77.9	78	77.9	77.8	77.83	77.8	77.8	77.6	80.4	79.5	79.5	77.17	78	72	77.4	76.9	77.1	77.2	74.5	74	74	67.9	67.8	74.8	74.3	70.7	71.1	74.89	75.2
rq89	80.61	80.6	80.62	80.6	80.59	80.6	80.6	80.8	79.4	79.4	79.4	79.4	79.3	79.32	79.32	79.3	79.3	79.3	79.07	78.6	78.69	78.76	78.9	78.7	78.7	78.7	78.7	78.7	78.63	82	82.1	82.1	81.8	82	82.13	82.1	82.1	82.1	82.2	82.1	98.9	99.23	99.11	99.12	---	98.67	99	99.1	98.85	97.3	97.4	97.42	97.37	97.36	97.33	97.34	97.34	97.3	97.3	87.5	87.4	87.4	77.8	78.1	78.1	78	78	78.1	78	78.3	78.3	78.3	78.3	78.1	78.1	78.1	78.1	78	78	77.9	78	77.9	77.9	78	77.9	78	78	78	77.9	77.8	77.73	77.7	77.7	77.5	80.5	79.5	79.5	77.18	78	72	77.4	77	77.2	77.2	74.4	75	74	68.2	68.1	74.9	74.5	70.9	71.2	75.02	75.3
rey58	80.53	80.5	80.54	80.51	80.51	80.5	80.5	80.9	79.4	79.4	79.4	79.4	79.3	79.3	79.31	79.28	79.3	79.2	79.15	78.7	78.75	78.86	78.9	78.8	78.8	78.8	78.8	78.9	78.77	82.1	82.1	82.1	82.1	82	82.07	82.1	82.1	82.1	82.3	82.2	98.7	98.74	98.83	98.83	98.66	---	98.6	98.7	98.66	97.7	97.7	97.73	97.6	97.71	97.75	97.73	97.73	97.7	97.7	87.5	87.5	87.5	77.9	78.1	78.1	78	78.1	78.1	78	78.4	78.1	78.3	78.3	78.1	78	78	78.1	78	77.9	78	78	78	77.9	78	77.9	78	77.9	78	77.9	77.8	77.76	77.7	77.7	77.5	80.4	79.4	79.5	77.08	78	72	77.4	76.9	77.1	77.1	74.5	74	74	67.8	67.7	74.7	74.2	70.6	71.1	74.83	75.2
rq90	80.62	80.6	80.64	80.6	80.6	80.6	80.6	80.8	79.3	79.4	79.4	79.3	79.2	79.27	79.27	79.25	79.3	79.2	79.09	78.7	78.65	78.77	78.9	78.7	78.7	78.7	78.6	78.7	78.65	82.1	82.1	82.1	82.1	82.1	82.13	82.2	82.2	82.1	82.3	82.2	98.8	99.11	99.02	99.06	99	98.55	---	99.9	98.85	97.3	97.3	97.34	97.25	97.4	97.35	97.3	97.3	97.3	97.4	87.5	87.5	87.5	77.9	78.2	78.2	78.1	78.1	78.2	78.1	78.4	78.2	78.3	78.3	78.1	78	78	78.1	78	78	78	78	78	78	78	78	78	78	78	77.9	77.8	77.82	77.9	77.8	77.6	80.4	79.4	79.5	77.17	78	72	77.5	77	77.1	77.2	74.4	74	74	68.1	68	74.7	74.2	70.8	71.1	74.88	75.3
r60	80.66	80.6	80.68	80.64	80.63	80.7	80.6	80.9	79.4	79.4	79.4	79.4	79.3	79.33	79.34	79.32	79.3	79.3	79.1	78.7	78.67	78.82	78.9	78.7	78.7	78.7	78.7	78.8	78.7	82.1	82.2	82.1	82.1	82.1	82.17	82.2	82.2	82.2	82.3	82.3	98.9	99.2	99.11	99.15	99.08	98.64	99.9	---	98.93	97.4	97.4	97.42	97.33	97.49	97.44	97.38	97.38	97.3	97.4	87.6	87.6	87.6	78	78.2	78.2	78.1	78.2	78.2	78.1	78.4	78.2	78.4	78.3	78.1	78	78	78.1	78	78	78	78	78	78	78	78	78	78	78	78	77.8	77.81	77.8	77.8	77.6	80.4	79.5	79.5	77.18	78	72	77.5	77	77.1	77.2	74.4	74	74	68.1	68	74.7	74.2	70.7	71.1	74.89	75.3
r105	80.66	80.6	80.66	80.63	80.61	80.6	80.6	80.9	79.4	79.4	79.4	79.4	79.3	79.37	79.36	79.35	79.4	79.3	79.1	78.7	78.69	78.82	78.9	78.7	78.8	78.8	78.6	78.8	78.71	82.2	82.2	82.2	82.2	82.2	82.22	82.3	82.3	82.3	82.4	82.3	98.7	98.93	98.89	98.93	98.83	98.55	98.8	98.9	---	97.3	97.4	97.38	97.29	97.43	97.36	97.34	97.34	97.3	97.4	87.5	87.5	87.5	78	78.2	78.2	78.2	78.2	78.2	78.1	78.4	78.2	78.4	78.4	78.1	78	78.1	78.1	78	78	78	78	78	78	78	78	78	78	78	78	77.9	77.87	77.8	77.8	77.6	80.4	79.5	79.5	77.24	78	72	77.5	77	77.1	77.2	74.5	74	74	67.9	67.9	74.8	74.3	70.7	71.1	74.88	75.3
rey17	80.57	80.6	80.56	80.53	80.53	80.5	80.5	80.8	79.4	79.4	79.4	79.4	79.3	79.35	79.34	79.33	79.4	79.3	79.18	78.7	78.7	78.88	78.9	78.7	78.8	78.8	78.7	78.8	78.74	82.2	82.2	82.2	82.2	82.1	82.15	82.2	82.1	82.1	82.3	82.3	97.4	97.43	97.34	97.34	97.33	97.72	97.3	97.4	97.34	---	99.2	99.21	99.14	99.09	99.22	100	100	98.9	99.1	87.6	87.7	87.6	77.9	78.1	78.1	78	78	78	78	78.3	78.2	78.3	78.3	78	78	78	78	78	78	78	78	78	77.9	78	78	78	77.9	78	78	77.8	77.78	77.8	77.8	77.4	80.4	79.5	79.4	77.21	78	72	77.4	76.9	77.1	77.2	74.5	74	74	68	67.8	74.8	74.3	70.7	71.1	74.86	75.3
rey18	80.58	80.6	80.58	80.54	80.56	80.6	80.6	80.9	79.4	79.4	79.4	79.4	79.4	79.38	79.34	79.33	79.4	79.3	79.2	78.7	78.73	78.92	78.9	78.8	78.8	78.8	78.8	78.8	78.79	82.2	82.2	82.2	82.2	82.2	82.19	82.3	82.2	82.2	82.4	82.3	97.5	97.49	97.39	97.4	97.37	97.74	97.3	97.4	97.36	99.2	---	99.18	99.1	99.09	99.19	99.2	99.21	99	99.1	87.7	87.7	87.6	78	78.1	78.1	78	78.1	78.1	78	78.3	78.2	78.3	78.2	78	78	78	78	78	78	78	78	78	77.9	78	78	78	77.9	78	78	77.8	77.81	77.8	77.8	77.5	80.4	79.4	79.4	77.23	78	72	77.5	77	77.2	77.3	74.6	74	74	67.9	67.8	74.8	74.3	70.7	71.1	74.91	75.3
rey59	80.58	80.6	80.57	80.54	80.53	80.6	80.6	80.9	79.4	79.5	79.4	79.4	79.4	79.38	79.37	79.36	79.4	79.3	79.15	78.7	78.74	78.86	78.9	78.8	78.8	78.9	78.8	78.8	78.76	82.2	82.2	82.2	82.1	82.1	82.2	82.3	82.2	82.2	82.3	82.3	97.4	97.49	97.4	97.4	97.41	97.73	97.3	97.4	97.38	99.2	99.2	---	99.07	99.2	99.21	99.21	99.21	98.9	99.2	87.7	87.6	87.6	77.9	78.1	78.1	78	78.1	78.1	78	78.3	78.2	78.3	78.3	78	78	78	78.1	78.1	78	78.1	78.1	78.1	78	78.1	78.1	78	78	78	78	77.8	77.84	77.8	77.8	77.5	80.4	79.4	79.4	77.22	78	72	77.5	76.9	77.2	77.2	74.5	74	74	67.9	67.8	74.7	74.3	70.6	71.2	74.92	75.3
r107	80.62	80.6	80.61	80.57	80.58	80.6	80.6	80.9	79.4	79.5	79.4	79.4	79.3	79.34	79.34	79.31	79.4	79.3	79.14	78.7	78.68	78.83	78.9	78.7	78.8	78.8	78.7	78.8	78.73	82.2	82.2	82.2	82.1	82.1	82.16	82.2	82.2	82.2	82.3	82.2	97.4	97.32	97.27	97.26	97.38	97.6	97.3	97.3	97.3	99.1	99.1	99.07	---	99.05	99.03	99.14	99.14	98.8	99.1	87.6	87.6	87.5	77.9	78.1	78.1	78	78.1	78.1	78	78.3	78.2	78.3	78.3	78	78	78	78.1	78	77.9	78	78	78	77.9	78	77.9	77.9	77.9	77.9	77.9	77.8	77.79	77.8	77.7	77.5	80.4	79.4	79.4	77.21	79	72	77.4	76.9	77.1	77.2	74.5	74	74	67.9	67.9	74.8	74.3	70.7	71.2	74.87	75.3
rey15	80.56	80.6	80.57	80.53	80.52	80.5	80.5	80.8	79.4	79.4	79.4	79.4	79.3	79.36	79.36	79.35	79.4	79.2	79.12	78.7	78.7	78.85	78.9	78.8	78.8	78.8	78.8	78.8	78.74	82.1	82.2	82.2	82.2	82.1	82.19	82.2	82.2	82.2	82.3	82.3	97.3	97.46	97.38	97.4	97.36	97.7	97.4	97.5	97.43	99.1	99.1	99.19	99.05	---	99.08	99.09	99.09	98.8	99.1	87.6	87.6	87.6	77.9	78.1	78.1	78	78	78.1	78	78.3	78.2	78.3	78.3	78	77.9	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77.8	77.8	77.8	77.9	77.5	80.4	79.4	79.4	77.2	79	72	77.4	76.9	77.1	77.1	74.5	74	74	67.9	67.8	74.8	74.3	70.7	71.2	74.88	75.3
r40	80.65	80.6	80.63	80.62	80.62	80.6	80.6	80.9	79.4	79.4	79.4	79.4	79.4	79.39	79.39	79.37	79.4	79.3	79.19	78.7	78.75	78.86	78.9	78.7	78.7	78.8	78.8	78.7	78.71	82.2	82.2	82.2	82.2	82.2	82.18	82.3	82.2	82.2	82.4	82.3	97.3	97.38	97.31	97.33	97.3	97.73	97.3	97.4	97.37	99.2	99.2	99.2	99.01	99.07	---	99.21	99.21	99	99.2	87.8	87.7	87.7	77.9	78	78	78	78	78	78	78.3	78.1	78.2	78.2	77.9	77.9	77.9	78	78	78	78	78	78	77.9	78	78	78	78	78	78	77.7	77.69	77.8	77.7	77.4	80.5	79.5	79.5	77.38	78	72	77.5	76.9	77.2	77.2	74.7	74	74	68.1	67.9	74.8	74.3	70.7	71.1	74.91	75.3
rrh30	80.59	80.6	80.59	80.55	80.56	80.6	80.6	80.9	79.4	79.4	79.4	79.4	79.3	79.35	79.34	79.33	79.4	79.3	79.2	78.7	78.71	78.89	78.9	78.8	78.8	78.8	78.8	78.8	78.76	82.2	82.2	82.2	82.2	82.1	82.16	82.2	82.1	82.1	82.3	82.3	97.4	97.43	97.35	97.34	97.33	97.73	97.3	97.4	97.34	100	99.2	99.21	99.14	99.09	99.22	---	100	98.9	99.1	87.6	87.7	87.6	77.9	78.1	78.1	78	78.1	78.1	78	78.3	78.1	78.3	78.3	78	77.9	78	78	78	77.9	78	78	78	77.9	78	77.9	77.9	77.9	78	77.9	77.8	77.81	77.8	77.8	77.5	80.5	79.5	79.4	77.25	78	72	77.5	76.9	77.1	77.2	74.6	74	74	68	67.9	74.7	74.4	70.7	71.2	74.91	75.3
ro84	80.6	80.6	80.6	80.57	80.57	80.6	80.6	80.9	79.4	79.5	79.4	79.4	79.3	79.37	79.36	79.35	79.4	79.3	79.2	78.7	78.71	78.9	78.9	78.8	78.8	78.8	78.8	78.8	78.77	82.2	82.2	82.2	82.2	82.1	82.17	82.2	82.1	82.1	82.3	82.3	97.4	97.43	97.34	97.34	97.33	97.73	97.3	97.4	97.34	100	99.2	99.21	99.13	99.09	99.22	100	---	98.9	99.1	87.7	87.7	87.6	78	78.1	78.1	78	78.1	78.1	78	78.3	78.1	78.3	78.3	78	77.9	78	78	78	78	78	78	78	77.9	78	78	78	77.9	78	78	77.8	77.82	77.8	77.8	77.5	80.5	79.5	79.4	77.24	78	72	77.5	76.9	77.2	77.2	74.6	74	74	68.1	67.9	74.7	74.4	70.6	71.2	74.94	75.3
rey19	80.5	80.5	80.52	80.48	80.49	80.5	80.5	80.8	79.3	79.4	79.3	79.3	79.3	79.24	79.25	79.24	79.3	79.2	79.09	78.6	78.59	78.68	78.7	78.7	78.7	78.7	78.7	78.7	78.64	82.1	82.1	82.1	82.1	82.1	82.04	82.2	82.1	82.1	82.2	82.2	97.3	97.36	97.24	97.3	97.25	97.69	97.2	97.3	97.28	98.9	99	98.93	98.73	98.82	99.06	98.89	98.89	---	98.9	87.5	87.5	87.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.2	78.1	78.3	78.3	77.9	77.9	77.9	78	78	78	78	78	78	77.9	78	78	78	77.9	78	78	77.7	77.74	77.7	77.7	77.5	80.3	79.4	79.3	77.08	78	72	77.4	76.8	77.1	77.1	74.4	74	74	67.7	67.7	74.7	74.2	70.6	71.1	74.87	75.2
rey99	80.61	80.6	80.6	80.56	80.58	80.6	80.6	80.9	79.4	79.4	79.4	79.4	79.3	79.31	79.3	79.29	79.3	79.2	79.14	78.6	78.63	78.81	78.9	78.7	78.7	78.7	78.7	78.7	78.68	82.2	82.2	82.2	82.2	82.1	82.16	82.2	82.2	82.2	82.3	82.2	97.3	97.35	97.31	97.31	97.27	97.7	97.4	97.4	97.38	99.1	99.1	99.17	99.06	99.13	99.2	99.05	99.05	98.9	---	87.6	87.6	87.6	78	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.2	78.2	78.2	78	78	78	78.1	78	78	78	78	78	77.9	78	78	77.9	77.9	78	77.9	77.7	77.75	77.7	77.7	77.5	80.4	79.4	79.4	77.25	78	72	77.5	76.9	77.1	77.2	74.5	74	74	68	67.9	74.7	74.2	70.6	71.1	74.94	75.3
r113	80.18	80.2	80.21	80.16	80.15	80.2	80.2	80.4	78.7	78.8	78.7	78.8	78.6	78.65	78.71	78.67	78.7	78.6	78.63	78.2	78.08	78.22	78.2	78.1	78.1	78.1	78.1	78.2	78.09	81.6	81.6	81.7	81.6	81.6	81.63	81.7	81.7	81.7	81.8	81.8	87.5	87.57	87.49	87.52	87.31	87.51	87.5	87.5	87.5	87.7	87.7	87.7	87.58	87.64	87.68	87.66	87.66	87.5	87.6	---	98.9	98.9	77.5	77.6	77.6	77.5	77.6	77.6	77.6	77.8	77.8	77.8	77.8	77.6	77.6	77.6	77.6	77.6	77.7	77.6	77.6	77.7	77.6	77.7	77.6	77.6	77.6	77.7	77.6	77.3	77.31	77.4	77.4	77.1	80	79.1	79	76.73	78	72	76.9	76.6	76.6	76.6	74.1	74	74	68	68.1	74.3	74.3	70.5	71	74.51	74.9
r108	80.13	80.1	80.18	80.17	80.12	80.1	80.1	80.4	78.7	78.7	78.7	78.8	78.7	78.64	78.7	78.64	78.7	78.6	78.67	78.2	78.06	78.18	78.2	78.1	78.1	78.1	78.1	78.1	78.06	81.6	81.7	81.7	81.7	81.6	81.68	81.7	81.7	81.7	81.8	81.8	87.5	87.54	87.48	87.5	87.28	87.54	87.5	87.5	87.52	87.7	87.7	87.69	87.62	87.64	87.69	87.71	87.71	87.5	87.6	98.9	---	99.1	77.6	77.8	77.8	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.6	77.6	77.6	77.6	77.6	77.7	77.6	77.6	77.7	77.6	77.7	77.7	77.6	77.6	77.7	77.7	77.3	77.38	77.4	77.4	77.2	79.9	79.1	78.9	76.72	78	72	76.9	76.4	76.6	76.6	74.1	74	74	68.1	68.2	74.3	74.1	70.6	71.2	74.51	74.9
rrh92	80.16	80.1	80.19	80.19	80.14	80.2	80.1	80.3	78.7	78.8	78.8	78.8	78.6	78.64	78.67	78.65	78.7	78.6	78.65	78.2	78.09	78.22	78.2	78.1	78.1	78.1	78.1	78.2	78.09	81.7	81.7	81.7	81.6	81.6	81.69	81.8	81.7	81.7	81.8	81.8	87.5	87.54	87.49	87.5	87.31	87.52	87.5	87.6	87.51	87.6	87.6	87.65	87.54	87.59	87.64	87.63	87.64	87.5	87.6	98.9	99.1	---	77.6	77.7	77.7	77.7	77.8	77.7	77.7	77.8	77.8	77.9	77.8	77.6	77.6	77.6	77.6	77.6	77.7	77.6	77.6	77.6	77.6	77.7	77.6	77.6	77.6	77.7	77.6	77.3	77.3	77.4	77.4	77.1	80	79	78.9	76.83	78	72	76.9	76.5	76.6	76.6	74	74	74	68	68.1	74.2	74.1	70.5	71.1	74.5	74.9
rf61	78.9	78.9	78.92	78.89	78.91	78.9	78.9	79	78.2	78.2	78.2	78.3	78.1	78.11	78.13	78.11	78.1	78.1	77.96	77.5	77.45	77.61	77.7	77.6	77.6	77.6	77.6	77.6	77.57	79.1	79.1	79.1	79.1	79.1	79.13	79.2	79.1	79.1	79.2	79.2	77.9	77.89	77.87	77.86	77.66	77.82	77.9	77.9	77.89	77.9	77.9	77.9	77.86	77.88	77.78	77.89	77.89	77.9	77.9	77.5	77.6	77.6	---	96	96	96	96	96	96.1	82.4	82.5	82.4	82.4	82.1	82.2	82.1	82.3	82.2	82.3	82.2	82.2	82.3	82.3	82.3	82.2	82.3	82.3	82.3	82.3	81.7	78.34	78.4	78.7	78.4	79	78.5	78.6	76.83	78	72	76.9	76.7	76.9	77.1	74.6	74	74	67.6	67.7	74.7	74.2	70.9	71.4	74.44	74.7
r35	79.09	79.1	79.14	79.09	79.12	79.1	79.1	79.2	78.5	78.5	78.5	78.5	78.4	78.34	78.38	78.37	78.4	78.3	78.16	77.8	77.66	77.9	78	77.8	77.8	77.8	77.9	77.8	77.85	79.3	79.3	79.3	79.3	79.3	79.27	79.3	79.3	79.4	79.4	79.5	78.1	78.16	78.12	78.13	77.98	78.05	78.1	78.2	78.13	78.1	78.1	78.05	78.04	78.03	77.93	78.05	78.05	78	78.1	77.6	77.8	77.7	96	---	99.5	99.6	99.6	99.6	99.3	82.7	82.6	82.7	82.6	82.4	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.4	82.4	82.4	82.4	82.5	81.9	78.54	78.6	78.8	78.5	79.2	78.7	78.8	76.94	78	72	77.1	76.8	77	77.4	74.7	74	74	67.4	67.5	74.8	74.4	71	71.4	74.59	74.8
r36	79.1	79.1	79.14	79.09	79.12	79.1	79.1	79.2	78.4	78.5	78.5	78.5	78.4	78.4	78.45	78.43	78.4	78.3	78.13	77.7	77.64	77.86	77.9	77.8	77.8	77.8	77.8	77.8	77.8	79.3	79.3	79.3	79.2	79.2	79.25	79.3	79.3	79.4	79.4	79.4	78.1	78.1	78.07	78.1	77.89	78.01	78.1	78.1	78.08	78	78	77.99	77.99	77.98	77.87	77.99	77.99	77.9	78	77.6	77.8	77.8	96	99.5	---	99.5	99.5	99.5	99.3	82.6	82.5	82.5	82.5	82.3	82.3	82.3	82.4	82.3	82.3	82.4	82.3	82.4	82.3	82.4	82.4	82.4	82.4	82.4	82.4	81.9	78.51	78.5	78.8	78.5	79.2	78.7	78.7	76.94	78	72	77.1	76.8	77	77.3	74.7	74	74	67.3	67.5	74.8	74.4	71	71.5	74.54	74.8
rf70	79.15	79.2	79.17	79.12	79.16	79.1	79.1	79.2	78.5	78.5	78.5	78.5	78.4	78.4	78.44	78.43	78.4	78.3	78.18	77.8	77.7	77.93	78	77.9	77.9	77.9	77.9	77.9	77.87	79.3	79.3	79.3	79.3	79.2	79.28	79.3	79.3	79.4	79.4	79.4	78	78.07	78.04	78.05	77.87	77.97	78.1	78.1	78.06	78	78	77.98	77.97	77.97	77.92	77.98	77.98	77.9	78	77.6	77.8	77.8	96	99.6	99.5	---	99.6	99.5	99.3	82.7	82.5	82.6	82.6	82.4	82.3	82.3	82.4	82.4	82.4	82.5	82.4	82.5	82.4	82.5	82.5	82.5	82.4	82.5	82.5	81.9	78.49	78.5	78.8	78.5	79.2	78.7	78.8	76.92	78	72	77.1	76.9	77	77.4	74.7	74	74	67.4	67.6	74.8	74.4	71	71.5	74.56	74.8
rf64	79.1	79.1	79.15	79.12	79.13	79.1	79.1	79.2	78.5	78.5	78.5	78.5	78.4	78.35	78.39	78.37	78.4	78.3	78.15	77.8	77.66	77.88	78	77.8	77.8	77.8	77.8	77.8	77.84	79.3	79.3	79.3	79.2	79.2	79.26	79.3	79.3	79.4	79.4	79.4	78	78.07	78.04	78.06	77.86	77.97	78.1	78.1	78.06	78	78	77.97	77.97	77.96	77.84	77.97	77.97	77.9	78	77.6	77.8	77.8	96	99.6	99.5	99.6	---	99.6	99.3	82.6	82.5	82.6	82.6	82.3	82.3	82.3	82.4	82.3	82.4	82.4	82.3	82.4	82.3	82.4	82.4	82.4	82.4	82.4	82.4	81.9	78.52	78.6	78.8	78.5	79.2	78.6	78.8	76.95	78	72	77.1	76.8	77	77.4	74.7	74	74	67.4	67.5	74.8	74.4	71	71.5	74.55	74.8
rf69	79.12	79.1	79.15	79.12	79.14	79.1	79.1	79.2	78.5	78.5	78.5	78.5	78.4	78.35	78.39	78.37	78.4	78.3	78.15	77.8	77.68	77.89	78	77.8	77.8	77.8	77.8	77.8	77.84	79.3	79.3	79.4	79.3	79.3	79.28	79.3	79.4	79.4	79.4	79.4	78.1	78.1	78.07	78.08	77.96	77.99	78.1	78.1	78.08	78	78	78	77.99	77.98	77.88	77.99	77.99	77.9	78	77.6	77.7	77.8	96	99.6	99.5	99.5	99.6	---	99.4	82.6	82.5	82.7	82.6	82.4	82.3	82.3	82.3	82.4	82.4	82.4	82.3	82.4	82.3	82.4	82.4	82.4	82.4	82.4	82.4	81.9	78.56	78.6	78.8	78.5	79.2	78.7	78.8	76.92	78	72	77.1	76.8	77	77.3	74.6	74	74	67.4	67.5	74.8	74.4	71.1	71.4	74.57	74.8
rf65	79.1	79.1	79.15	79.1	79.13	79.1	79.1	79.2	78.4	78.5	78.5	78.5	78.4	78.37	78.42	78.41	78.4	78.4	78.19	77.8	77.76	77.96	78	77.9	77.9	77.9	77.9	77.9	77.89	79.3	79.3	79.3	79.2	79.2	79.26	79.3	79.3	79.4	79.4	79.5	78	78.08	78.04	78.05	77.84	77.97	78.1	78.1	78.04	78	78	77.95	77.93	77.93	77.83	77.95	77.94	77.9	78	77.6	77.7	77.7	96.2	99.3	99.3	99.3	99.3	99.4	---	82.7	82.5	82.6	82.6	82.4	82.3	82.3	82.4	82.4	82.4	82.4	82.3	82.4	82.4	82.5	82.4	82.4	82.4	82.4	82.5	81.9	78.5	78.5	78.8	78.5	79.2	78.7	78.8	76.91	78	72	77.1	76.8	77	77.4	74.7	74	74	67.4	67.6	74.8	74.3	71	71.4	74.55	74.8
rf75	79.38	79.3	79.4	79.35	79.35	79.4	79.4	79.5	78.7	78.8	78.8	78.8	78.6	78.6	78.6	78.6	78.6	78.5	78.42	77.9	77.86	78.2	78.2	78	78	78	78	78	78.02	79.7	79.7	79.7	79.6	79.6	79.6	79.7	79.7	79.7	79.6	79.8	78.3	78.34	78.32	78.32	78.19	78.28	78.3	78.3	78.33	78.3	78.3	78.26	78.27	78.28	78.23	78.27	78.28	78.2	78.3	77.8	77.8	77.8	82.4	82.7	82.6	82.7	82.5	82.6	82.6	---	95	94.4	94.4	91.4	91.3	91.3	91.4	89.5	89.5	89.5	89.5	89.4	89.5	89.5	89.5	89.4	89.5	89.5	89.5	90.3	79.04	79.1	79.2	79	79.7	79	78.9	77.13	78	72	77.6	77.4	77.4	77.7	75	75	75	68.1	68	75.3	74.8	71.1	71.9	74.53	75.2
r110	79.37	79.4	79.35	79.32	79.33	79.4	79.4	79.5	78.9	78.9	78.9	78.9	78.7	78.76	78.73	78.75	78.8	78.8	78.46	78	78.01	78.19	78.2	78	78.1	78.1	78	78.1	78.05	79.5	79.5	79.5	79.5	79.6	79.58	79.6	79.5	79.5	79.6	79.7	78.3	78.36	78.34	78.26	78.16	78.3	78.4	78.4	78.34	78.4	78.3	78.32	78.28	78.28	78.26	78.34	78.34	78.3	78.3	77.9	77.9	77.9	82.5	82.6	82.6	82.6	82.6	82.6	82.6	95	---	94.7	94.7	91	91	91	91	89.4	89.5	89.4	89.4	89.4	89.4	89.4	89.4	89.3	89.5	89.5	89.4	90.3	79.11	79	79.4	79.1	79.7	79	78.9	77.14	78	72	77.5	77.4	77.4	77.5	75.2	75	75	67.6	67.8	75.3	74.7	70.9	71.6	74.72	75.3
rf72	79.43	79.4	79.45	79.41	79.42	79.4	79.4	79.5	78.8	78.8	78.8	78.8	78.6	78.59	78.61	78.6	78.6	78.6	78.49	78.1	77.94	78.17	78.2	78.1	78	78	77.9	78	78.01	79.6	79.6	79.6	79.5	79.6	79.56	79.7	79.6	79.6	79.6	79.7	78.4	78.42	78.4	78.38	78.26	78.35	78.4	78.4	78.4	78.4	78.3	78.38	78.31	78.37	78.23	78.36	78.37	78.3	78.3	77.9	77.9	77.9	82.4	82.7	82.5	82.6	82.6	82.7	82.6	94.4	94.7	---	99.1	91	90.8	90.8	90.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	90	79.16	79.1	79.3	78.9	79.7	79	79	77.07	78	73	77.5	77.4	77.4	77.7	75.2	75	75	67.7	67.7	75.3	74.9	71	71.7	74.67	75.2
r114	79.41	79.4	79.44	79.4	79.43	79.5	79.4	79.5	78.7	78.8	78.8	78.8	78.6	78.59	78.61	78.6	78.6	78.6	78.51	78	77.92	78.14	78.2	78	78	78	77.9	78	78	79.6	79.6	79.6	79.5	79.6	79.56	79.7	79.6	79.6	79.6	79.7	78.3	78.4	78.37	78.35	78.23	78.3	78.3	78.4	78.37	78.3	78.3	78.35	78.29	78.34	78.21	78.31	78.32	78.3	78.3	77.8	77.8	77.9	82.5	82.7	82.5	82.6	82.6	82.6	82.6	94.4	94.7	99.1	---	90.9	90.8	90.8	90.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	90	79.05	79.1	79.3	78.8	79.6	79	79	77.05	78	73	77.5	77.3	77.3	77.6	75.1	75	75	67.6	67.7	75.2	74.8	70.9	71.6	74.64	75.1
rf73	78.95	79	79.01	78.94	78.96	79	79	79	78.4	78.4	78.4	78.4	78.1	78.11	78.13	78.14	78.1	78.2	77.92	77.6	77.55	77.73	77.8	77.6	77.6	77.6	77.5	77.6	77.61	79.2	79.2	79.2	79.1	79.2	79.17	79.3	79.1	79.1	79.2	79.3	78	78.03	78.01	78	77.89	78	78	78	78.03	78	78	77.98	77.96	77.97	77.87	77.95	77.95	77.9	78	77.6	77.6	77.6	82.1	82.4	82.3	82.3	82.3	82.3	82.3	91.5	91.1	90.9	90.9	---	97.8	99.2	98	89.7	89.7	89.6	89.7	89.6	89.6	89.7	89.7	89.6	89.7	89.7	89.7	90.5	78.57	78.7	78.8	78.6	79.2	78.4	78.5	76.85	77	72	77	77	77	77.2	74.6	74	74	67.7	67.7	74.9	74.5	70.7	71.3	74.21	74.7
rf81	79.02	79	79	78.93	78.98	79	79	79.1	78.4	78.4	78.4	78.4	78.2	78.17	78.16	78.18	78.2	78.1	78.01	77.6	77.55	77.78	77.8	77.6	77.6	77.6	77.6	77.6	77.62	79.2	79.3	79.2	79.1	79.2	79.21	79.3	79.1	79.2	79.2	79.3	77.9	77.99	77.98	77.95	77.88	77.94	78	78	77.99	78	78	77.97	77.95	77.95	77.84	77.94	77.95	77.9	78	77.6	77.6	77.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	91.3	91	90.8	90.7	97.8	---	98	98.6	89.6	89.6	89.5	89.6	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.4	78.54	78.6	78.8	78.5	79.2	78.5	78.5	76.85	77	72	77.1	77	77	77.2	74.7	75	74	67.8	67.8	74.9	74.4	70.7	71.3	74.38	74.8
rf63	78.98	79	79.01	78.96	78.99	79	79	79.1	78.4	78.4	78.4	78.4	78.2	78.15	78.17	78.18	78.2	78.2	78	77.6	77.52	77.74	77.8	77.6	77.6	77.6	77.6	77.7	77.64	79.2	79.3	79.2	79.2	79.3	79.23	79.3	79.1	79.1	79.3	79.4	78	78.02	77.99	77.99	77.88	77.97	78	78	78.03	78	78	77.97	77.95	77.94	77.86	77.94	77.95	77.9	78	77.6	77.6	77.6	82.1	82.3	82.3	82.3	82.3	82.3	82.3	91.4	91.1	90.8	90.8	99.2	97.9	---	98.1	89.6	89.6	89.6	89.6	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.4	78.58	78.6	78.9	78.6	79.2	78.4	78.4	76.87	77	72	77	77	77	77.2	74.6	75	74	67.8	67.8	74.8	74.4	70.8	71.3	74.25	74.7
rf74	79.03	79	79.03	78.98	79	79	79	79.1	78.5	78.5	78.5	78.5	78.3	78.24	78.25	78.27	78.3	78.2	78.06	77.7	77.6	77.79	77.9	77.7	77.7	77.7	77.7	77.7	77.74	79.2	79.3	79.2	79.2	79.3	79.26	79.4	79.2	79.2	79.3	79.4	78	78	78	77.97	77.82	77.96	78	78	77.99	78	78	78.03	77.97	77.96	77.79	77.96	77.97	77.9	78	77.6	77.6	77.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	91.4	91.1	90.9	90.8	98	98.6	98.1	---	89.7	89.7	89.6	89.7	89.6	89.6	89.7	89.6	89.6	89.7	89.6	89.7	90.5	78.6	78.8	78.9	78.6	79.2	78.6	78.5	76.86	77	72	77.2	77	77	77.3	74.7	75	74	67.7	67.7	74.9	74.5	70.7	71.3	74.43	74.8
rf78	79.19	79.2	79.2	79.13	79.14	79.1	79.2	79.1	78.3	78.4	78.4	78.4	78.2	78.21	78.24	78.24	78.2	78.2	78.17	77.7	77.67	77.96	78	77.8	77.8	77.8	77.8	77.9	77.8	79.2	79.3	79.2	79.1	79.2	79.2	79.3	79.2	79.2	79.3	79.4	77.9	78.01	78	77.95	77.8	77.93	78	78	77.95	78	78	78.02	77.92	77.98	77.8	77.95	77.96	77.9	77.9	77.6	77.6	77.6	82.2	82.4	82.3	82.4	82.4	82.3	82.3	89.5	89.4	89.2	89.2	89.7	89.6	89.6	89.7	---	98.7	98.9	100	98.8	98.8	98.8	98.9	98.8	98.7	98.7	98.7	88.5	78.75	78.8	78.9	78.7	79.2	78.6	78.6	76.94	77	72	77.2	77.1	76.9	77.3	74.8	75	74	67.5	67.5	75.2	74.6	71	71.6	74.46	74.9
r112	79.13	79.1	79.19	79.12	79.09	79.1	79.1	79.1	78.4	78.4	78.4	78.4	78.2	78.21	78.19	78.2	78.3	78.2	78.2	77.7	77.61	77.89	77.9	77.7	77.8	77.7	77.7	77.8	77.75	79.3	79.3	79.3	79.2	79.2	79.3	79.3	79.2	79.2	79.3	79.4	77.9	78.02	77.96	77.94	77.83	77.94	78	78	77.95	78	78	78.03	77.93	77.98	77.84	77.96	77.97	78	78	77.6	77.6	77.6	82.2	82.4	82.3	82.4	82.3	82.3	82.4	89.5	89.4	89.2	89.1	89.7	89.6	89.6	89.7	98.7	---	98.7	98.7	98.8	98.7	98.7	98.7	98.6	99.1	99.4	98.7	88.5	78.78	78.8	79	78.8	79.3	78.6	78.5	76.86	77	72	77.2	77	77	77.4	74.9	75	74	67.6	67.6	75.2	74.5	71.1	71.6	74.45	74.9
rf77	79.18	79.2	79.17	79.13	79.13	79.1	79.1	79.1	78.4	78.4	78.4	78.4	78.2	78.24	78.22	78.22	78.3	78.2	78.18	77.8	77.69	77.89	77.9	77.8	77.8	77.8	77.8	77.8	77.82	79.3	79.2	79.2	79.2	79.3	79.23	79.3	79.2	79.2	79.3	79.4	77.9	78.04	77.99	77.97	77.81	77.96	78	78	77.97	78	78	78.02	77.93	77.99	77.82	77.95	77.96	78	77.9	77.5	77.5	77.5	82.2	82.4	82.3	82.4	82.3	82.3	82.3	89.5	89.4	89.3	89.2	89.6	89.5	89.5	89.6	98.9	98.7	---	98.9	98.9	98.8	98.8	99.1	98.8	98.7	98.7	98.7	88.5	78.78	78.8	78.9	78.8	79.2	78.6	78.5	76.89	78	72	77.2	77	76.9	77.4	74.9	75	74	67.5	67.6	75.2	74.6	71	71.6	74.54	74.9
rf76	79.18	79.2	79.17	79.12	79.12	79.1	79.1	79.1	78.4	78.4	78.4	78.4	78.2	78.21	78.24	78.23	78.2	78.2	78.16	77.7	77.68	77.96	78.1	77.8	77.8	77.8	77.8	77.9	77.8	79.2	79.2	79.2	79.2	79.2	79.22	79.3	79.2	79.2	79.3	79.4	77.9	78.04	78.03	77.98	77.82	77.96	78	78	77.98	78	78	78.04	77.95	78.01	77.86	77.98	77.99	78	78	77.6	77.6	77.6	82.2	82.4	82.3	82.4	82.4	82.3	82.3	89.5	89.4	89.3	89.2	89.7	89.6	89.6	89.7	100	98.7	98.9	---	98.8	98.8	98.8	98.9	98.8	98.7	98.7	98.7	88.5	78.72	78.8	78.9	78.7	79.2	78.6	78.6	76.94	77	72	77.1	77.1	76.9	77.3	74.8	75	74	67.5	67.5	75.1	74.5	70.9	71.5	74.49	74.9
rf80	79.17	79.2	79.2	79.15	79.13	79.2	79.2	79.1	78.4	78.4	78.4	78.4	78.3	78.21	78.24	78.24	78.2	78.2	78.22	77.8	77.65	77.98	78	77.8	77.9	77.8	77.8	77.9	77.86	79.3	79.3	79.3	79.1	79.3	79.22	79.3	79.2	79.3	79.2	79.4	78	78.03	77.96	77.95	77.8	77.97	78	78	77.95	78	78	78.04	77.94	78	77.83	77.96	77.97	78	78	77.6	77.6	77.6	82.2	82.4	82.3	82.4	82.3	82.3	82.4	89.4	89.4	89.2	89.2	89.6	89.6	89.6	89.6	98.8	98.7	98.9	98.8	---	98.9	98.8	98.9	98.9	98.6	98.7	98.6	88.5	78.83	78.8	78.9	78.7	79.2	78.6	78.6	76.87	78	72	77.2	77	77	77.4	74.8	75	75	67.5	67.4	75.1	74.5	71	71.6	74.43	74.9
rf66	79.15	79.2	79.19	79.12	79.1	79.1	79.1	79.1	78.4	78.4	78.5	78.4	78.3	78.26	78.28	78.28	78.3	78.3	78.24	77.7	77.61	77.97	78	77.8	77.8	77.8	77.8	77.8	77.8	79.3	79.3	79.3	79.2	79.3	79.25	79.3	79.2	79.2	79.3	79.4	77.9	77.97	77.9	77.92	77.76	77.91	78	77.9	77.89	77.9	77.9	77.99	77.9	77.94	77.79	77.91	77.92	77.9	77.9	77.5	77.5	77.5	82.2	82.4	82.3	82.4	82.3	82.3	82.3	89.5	89.4	89.2	89.2	89.6	89.6	89.6	89.6	98.8	98.7	98.8	98.8	98.9	---	98.7	98.8	98.9	98.7	98.6	98.6	88.5	78.74	78.8	78.9	78.6	79.2	78.6	78.6	76.88	77	72	77.3	77	76.9	77.4	74.8	74	74	67.5	67.5	75.1	74.6	71	71.6	74.54	74.9
r39	79.16	79.2	79.19	79.13	79.13	79.1	79.2	79.2	78.4	78.3	78.4	78.4	78.3	78.24	78.23	78.22	78.3	78.2	78.23	77.8	77.67	77.94	78	77.8	77.8	77.8	77.8	77.8	77.83	79.3	79.3	79.3	79.1	79.2	79.19	79.3	79.2	79.2	79.3	79.4	78	78.01	77.99	77.94	77.79	77.96	77.9	78	77.94	78	78	78.04	77.96	78	77.85	77.97	77.98	78	78	77.7	77.7	77.7	82.3	82.5	82.4	82.5	82.4	82.4	82.5	89.5	89.4	89.3	89.2	89.6	89.6	89.6	89.7	98.8	98.7	98.8	98.8	98.7	98.7	---	98.8	98.7	98.7	98.7	98.6	88.5	78.8	78.8	78.9	78.7	79.2	78.7	78.6	77	78	72	77.2	77.1	76.9	77.4	74.9	75	74	67.7	67.7	75.1	74.5	71.1	71.7	74.41	74.9
rf79	79.18	79.2	79.22	79.16	79.15	79.2	79.2	79.2	78.4	78.4	78.4	78.4	78.3	78.26	78.23	78.23	78.3	78.2	78.23	77.7	77.69	77.96	78	77.8	77.9	77.8	77.8	77.8	77.85	79.3	79.2	79.2	79.1	79.2	79.18	79.2	79.2	79.2	79.3	79.4	78	78.07	78.04	77.99	77.81	77.97	78	78	77.99	78	78	78.05	77.96	78.02	77.85	77.97	77.98	78	78	77.6	77.6	77.6	82.2	82.4	82.4	82.4	82.4	82.4	82.4	89.5	89.4	89.3	89.2	89.7	89.6	89.6	89.7	98.9	98.7	99.1	98.9	98.9	98.8	98.8	---	98.8	98.7	98.7	98.7	88.6	78.79	78.8	78.9	78.7	79.2	78.6	78.5	76.97	77	72	77.1	77	76.9	77.4	74.9	75	74	67.6	67.6	75.3	74.6	71	71.5	74.46	74.9
rf62	79.1	79.1	79.13	79.08	79.08	79.1	79.1	79.1	78.3	78.3	78.3	78.4	78.2	78.18	78.2	78.21	78.2	78.1	78.21	77.8	77.68	77.97	78	77.8	77.8	77.8	77.8	77.8	77.83	79.3	79.3	79.3	79.2	79.2	79.2	79.3	79.2	79.2	79.3	79.4	77.9	78.02	77.99	77.94	77.78	77.94	77.9	78	77.94	77.9	77.9	78	77.9	77.95	77.79	77.93	77.94	77.9	77.9	77.6	77.6	77.6	82.2	82.4	82.4	82.4	82.4	82.4	82.3	89.5	89.3	89.2	89.2	89.6	89.6	89.6	89.7	98.8	98.6	98.8	98.8	98.9	98.9	98.8	98.8	---	98.6	98.6	98.7	88.5	78.64	78.8	78.9	78.7	79.2	78.7	78.6	76.86	77	72	77.2	77	76.9	77.4	74.9	75	74	67.5	67.6	75.1	74.5	71	71.5	74.47	74.9
rf67	79.15	79.1	79.24	79.18	79.1	79.1	79.1	79.1	78.4	78.4	78.4	78.5	78.3	78.24	78.26	78.26	78.3	78.2	78.21	77.7	77.66	77.91	78	77.7	77.8	77.8	77.7	77.8	77.78	79.3	79.3	79.3	79.1	79.3	79.3	79.3	79.2	79.2	79.3	79.4	77.9	77.96	77.93	77.89	77.83	77.87	77.9	77.9	77.89	77.9	77.9	77.94	77.86	77.9	77.76	77.88	77.9	77.9	77.9	77.5	77.5	77.5	82.2	82.4	82.4	82.3	82.4	82.3	82.3	89.5	89.4	89.2	89.2	89.7	89.6	89.7	89.7	98.7	99.1	98.7	98.7	98.6	98.7	98.7	98.7	98.6	---	99	98.6	88.5	78.8	78.8	78.9	78.7	79.2	78.6	78.6	76.9	77	72	77.2	77	76.9	77.4	74.9	75	74	67.7	67.7	75.2	74.6	70.9	71.5	74.51	74.8
rf68	79.15	79.1	79.19	79.14	79.09	79.1	79.1	79.1	78.3	78.4	78.4	78.4	78.2	78.19	78.17	78.17	78.2	78.2	78.21	77.7	77.61	77.93	77.9	77.8	77.8	77.8	77.7	77.8	77.79	79.3	79.3	79.3	79.2	79.2	79.27	79.3	79.2	79.2	79.3	79.4	77.9	78.04	77.99	77.97	77.84	77.97	78	78	77.98	78	78	78.04	77.94	77.99	77.85	77.97	77.98	78	78	77.7	77.7	77.7	82.2	82.4	82.3	82.4	82.3	82.3	82.3	89.5	89.4	89.2	89.2	89.6	89.6	89.6	89.6	98.7	99.4	98.7	98.7	98.7	98.6	98.7	98.7	98.6	99	---	98.7	88.5	78.82	78.8	78.9	78.8	79.3	78.6	78.5	76.89	77	72	77.2	76.9	76.9	77.4	74.8	75	74	67.6	67.5	75.1	74.5	71.1	71.5	74.53	74.8
rf100	79.19	79.2	79.21	79.16	79.16	79.2	79.2	79.2	78.4	78.4	78.4	78.5	78.3	78.24	78.29	78.28	78.3	78.3	78.26	77.8	77.74	77.98	78.1	77.8	77.8	77.8	77.8	77.8	77.82	79.3	79.4	79.3	79.2	79.2	79.23	79.3	79.3	79.3	79.3	79.5	78	77.99	77.97	77.96	77.8	77.94	78	78	77.91	77.9	78	78.01	77.93	77.97	77.81	77.94	77.95	77.9	77.9	77.6	77.6	77.6	82.2	82.5	82.4	82.5	82.4	82.4	82.4	89.6	89.4	89.3	89.2	89.7	89.6	89.6	89.7	98.7	98.7	98.7	98.7	98.6	98.6	98.6	98.7	98.6	98.6	98.7	---	88.5	78.85	78.8	78.9	78.8	79.2	78.7	78.6	76.93	78	72	77.3	77.1	77	77.5	74.8	75	75	67.7	67.7	75.1	74.5	71	71.5	74.49	75
r45	78.76	78.8	78.8	78.74	78.76	78.8	78.8	78.9	78.1	78.1	78.1	78.2	77.9	77.93	77.94	77.95	78	77.8	77.79	77.4	77.35	77.55	77.7	77.5	77.5	77.5	77.4	77.5	77.48	78.9	79	78.9	78.8	78.9	78.87	79	79	79	78.9	78.9	77.7	77.77	77.7	77.7	77.57	77.68	77.7	77.8	77.76	77.7	77.8	77.75	77.75	77.71	77.65	77.74	77.75	77.6	77.7	77.3	77.3	77.3	81.8	82	82	82	81.9	82	81.9	90.3	90.3	90	90	90.5	90.4	90.5	90.5	88.5	88.5	88.6	88.5	88.5	88.5	88.6	88.6	88.5	88.5	88.5	88.6	---	78.44	78.5	78.6	78.3	79	78.2	78.2	76.66	77	72	77	76.6	76.8	77	74.3	74	74	67.4	67.6	74.6	74.1	70.8	71.3	74.18	74.5
rc54	79.7	79.8	79.78	79.71	79.75	79.8	79.8	79.9	79.7	79.7	79.7	79.7	79.4	79.4	79.45	79.44	79.4	79.3	79.03	78.9	78.74	79.04	79.1	79	79	79	79	79.1	78.98	79.7	79.7	79.7	79.5	79.5	79.64	79.7	79.6	79.6	79.6	79.7	77.8	77.79	77.79	77.79	77.58	77.69	77.8	77.8	77.84	77.8	77.8	77.8	77.77	77.77	77.62	77.78	77.79	77.7	77.7	77.3	77.4	77.4	78.3	78.4	78.5	78.5	78.5	78.5	78.4	79	79	79.1	79	78.6	78.5	78.6	78.6	78.7	78.8	78.7	78.7	78.8	78.7	78.8	78.7	78.7	78.7	78.8	78.8	78.4	---	94.1	84.6	83.9	80.1	79.2	79.3	77.91	78	73	78.3	78	78.1	78.5	76	76	75	68	68.2	76.2	75.4	71.9	72.9	75.17	76
rkr83	79.72	79.8	79.72	79.62	79.73	79.7	79.7	79.9	79.6	79.6	79.6	79.7	79.4	79.39	79.4	79.39	79.4	79.3	79.06	78.9	78.79	79.1	79.2	78.9	79	79	78.8	79	78.95	79.5	79.6	79.6	79.5	79.5	79.54	79.6	79.6	79.6	79.5	79.7	77.7	77.76	77.76	77.75	77.56	77.6	77.8	77.8	77.78	77.7	77.7	77.75	77.73	77.77	77.63	77.74	77.75	77.7	77.7	77.3	77.3	77.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	79	78.9	79	79	78.6	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.8	78.7	78.7	78.7	78.8	78.7	78.7	78.8	78.4	94.13	---	84.5	83.8	80.1	79.3	79.4	77.95	79	73	78.4	78	78.1	78.6	76	76	76	67.7	67.8	76.3	75.4	72	72.9	74.98	76
r94	79.76	79.8	79.78	79.73	79.75	79.8	79.8	79.8	79.4	79.5	79.5	79.5	79.2	79.13	79.15	79.16	79.2	79.1	78.92	78.6	78.54	78.92	79	78.7	78.8	78.8	78.6	78.8	78.74	79.7	79.6	79.7	79.6	79.6	79.59	79.6	79.6	79.6	79.6	79.8	77.8	77.82	77.79	77.79	77.59	77.7	77.8	77.8	77.82	77.8	77.8	77.82	77.72	77.83	77.65	77.77	77.78	77.7	77.7	77.5	77.5	77.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	79.3	79.3	79.2	79.3	78.9	78.9	78.9	78.9	79	79	79	79	78.9	79	78.9	79	79	79.1	79	79	78.6	84.64	84.6	---	87.4	79.9	79.2	79.3	77.77	79	73	78.2	77.7	77.7	78.2	75.7	76	75	67.7	67.8	76.1	75.3	71.6	72.3	75.19	75.8
r109	79.17	79.2	79.1	79.07	79.09	79.1	79.1	79.3	78.7	78.8	78.7	78.8	78.6	78.54	78.57	78.54	78.6	78.6	78.49	78.2	78.11	78.26	78.4	78.1	78.2	78.2	78	78.2	78.15	79.2	79.2	79.2	79.1	79.1	79.17	79.2	79.1	79.2	79.1	79.2	77.6	77.67	77.65	77.68	77.46	77.56	77.6	77.6	77.65	77.5	77.5	77.59	77.52	77.54	77.41	77.49	77.5	77.5	77.5	77.2	77.2	77.2	78.4	78.4	78.5	78.4	78.4	78.5	78.4	79	79	79	78.9	78.6	78.6	78.6	78.7	78.8	78.9	78.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.3	83.84	83.8	87.3	---	79.3	78.6	78.7	77.09	78	73	77.5	77	77.2	77.5	75.2	75	75	67.5	67.4	75.7	74.8	71.2	71.8	74.8	75.3
r95	83.27	83.3	83.28	83.25	83.24	83.2	83.3	83.7	82.3	82.4	82.3	82.4	82.1	82	81.99	81.97	82	82	81.61	80.8	80.77	81.09	81.2	80.9	81	81	80.8	81	80.92	82.9	82.9	82.9	82.8	82.8	82.92	82.9	82.9	82.9	82.9	83.1	80.4	80.44	80.4	80.4	80.32	80.34	80.3	80.4	80.37	80.4	80.4	80.43	80.41	80.37	80.31	80.38	80.4	80.3	80.4	80	79.9	80	79	79.2	79.2	79.2	79.2	79.2	79.2	79.7	79.6	79.6	79.6	79.3	79.2	79.3	79.3	79.3	79.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.3	79	80.16	80.2	79.9	79.2	---	84.5	84.5	79.99	80	74	80.4	80.1	80.3	80.7	76.6	76	76	68.1	68.1	76.9	76	72.3	73.4	76.3	77.9
r106	82.52	82.5	82.48	82.47	82.47	82.5	82.5	82.8	81.7	81.8	81.8	81.8	81.5	81.56	81.51	81.49	81.6	81.4	81.55	80.7	80.59	80.95	80.9	80.8	80.8	80.8	80.7	80.8	80.78	81.9	81.8	81.8	81.7	81.8	81.87	81.9	81.8	81.8	81.8	82	79.5	79.55	79.55	79.56	79.4	79.45	79.5	79.5	79.47	79.5	79.5	79.47	79.43	79.39	79.37	79.48	79.49	79.4	79.4	79.1	79.1	79.1	78.4	78.6	78.7	78.7	78.6	78.6	78.6	79	78.9	78.9	78.9	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.6	78.7	78.6	78.6	78.6	78.2	79.19	79.3	79.1	78.5	84.5	---	90.2	79.09	80	74	79.4	78.9	79.1	79.4	76.2	76	76	67.9	68.1	76.4	75.2	72	73	76.05	76.8
rt46	82.73	82.8	82.8	82.79	82.75	82.7	82.7	82.9	81.8	81.9	81.9	81.9	81.7	81.67	81.66	81.63	81.7	81.6	81.6	80.8	80.78	80.97	81	80.9	80.9	80.9	80.8	80.9	80.87	82	82	82	81.8	82	81.98	82	82	82	82	82.1	79.5	79.59	79.56	79.6	79.42	79.52	79.5	79.6	79.52	79.5	79.5	79.52	79.5	79.47	79.47	79.49	79.5	79.4	79.5	79.1	79	79	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.8	79	78.9	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.1	79.35	79.4	79.3	78.6	84.5	90.2	---	79.21	80	74	79.6	79.1	79.4	79.8	76.4	76	76	68.2	67.9	76.6	75.5	72.2	73.2	76.1	77
rk21	79.57	79.6	79.6	79.55	79.58	79.6	79.6	79.7	79.5	79.5	79.5	79.6	79.2	79.21	79.23	79.23	79.2	79.2	78.95	78.3	78.42	78.56	78.6	78.4	78.5	78.5	78.4	78.5	78.47	79.3	79.3	79.3	79.2	79.2	79.21	79.3	79.2	79.3	79.2	79.4	77.1	77.15	77.1	77.14	76.99	77.04	77.2	77.2	77.21	77.2	77.2	77.14	77.15	77.13	77.16	77.16	77.16	77.1	77.2	76.7	76.7	76.7	76.8	76.9	76.9	76.8	76.9	76.9	76.8	77	77	77	77	76.8	76.8	76.8	76.9	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.8	76.8	76.8	76.9	76.6	77.85	77.9	77.7	76.9	79.9	79.1	79.3	---	78	73	79.8	79.6	79.7	80	75.4	75	75	67.8	67.8	75.4	74.7	71.5	72.3	75.88	75.6
rr28	80.59	80.6	80.68	80.58	80.53	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.3	80.3	80.32	80.33	80.3	80.3	80.26	79.9	79.85	80.17	80.2	80	80	80	79.9	80.1	79.97	80.9	80.9	80.9	80.8	80.9	80.84	80.9	80.9	80.8	80.9	81.2	78.5	78.55	78.5	78.52	78.35	78.46	78.5	78.5	78.51	78.6	78.6	78.6	78.55	78.6	78.53	78.57	78.58	78.4	78.5	77.9	77.9	77.9	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.7	77.7	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.4	77.4	77.4	77.4	77.5	77.1	78.5	78.6	78.5	77.7	80.1	80.1	80.3	77.9	---	73	78.1	77.7	77.9	78.3	75.8	75	75	67.5	67.5	76	74.6	72.2	72.9	75.53	75.9
rr91	73.67	73.7	73.69	73.64	73.7	73.7	73.7	74	74.2	74.1	74.2	74.2	74	73.86	73.85	73.9	73.9	73.8	73.88	73.5	73.48	73.66	73.8	73.5	73.6	73.6	73.4	73.6	73.56	73.6	73.5	73.5	73.6	73.5	73.58	73.6	73.4	73.5	73.6	73.6	72	72	71.96	72	71.85	72.01	72	72	71.92	72	72.1	72.02	72.08	71.98	72.1	72	72	72	72	71.8	71.9	71.7	71.8	72	72	72	72	72	72	72.3	72.2	72.5	72.5	72.1	72.1	72.2	72.2	72.2	72.4	72.3	72.2	72.2	72.4	72.3	72.4	72.4	72.4	72.4	72.4	72	73.18	73.2	72.8	72.5	74.1	73.6	73.7	73.02	73	---	74	73.8	73.3	74.3	72.7	72	72	66.4	66.4	72.7	71.7	70.7	71.4	71.83	72.7
na53	79.79	79.8	79.83	79.75	79.78	79.8	79.8	80.1	80	80	80	80.1	79.8	79.78	79.77	79.76	79.8	79.7	79.37	78.9	78.86	79.15	79.2	79	79	79	79	79.1	79.03	79.4	79.4	79.4	79.3	79.3	79.37	79.4	79.4	79.4	79.4	79.5	77.4	77.46	77.43	77.44	77.14	77.38	77.5	77.5	77.45	77.4	77.5	77.49	77.42	77.42	77.43	77.43	77.44	77.4	77.5	77	76.9	76.9	76.9	77.1	77	77.1	77.1	77.1	77.1	77.6	77.5	77.5	77.5	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.1	77.2	77.2	77.2	77.2	77.2	77.1	77.1	77.2	77	78.38	78.4	78.3	77.5	80.5	79.5	79.7	79.8	78	74	---	85.4	85.6	85.8	76.2	76	76	68.2	68.1	76.2	75.6	72.2	73.4	76.43	76.4
nb6	79.35	79.4	79.36	79.32	79.33	79.3	79.3	79.4	79.4	79.4	79.4	79.5	79.3	79.29	79.33	79.31	79.3	79.2	78.95	78.4	78.35	78.6	78.7	78.4	78.5	78.5	78.5	78.5	78.45	79.1	79.1	79.2	79.2	79.1	79.12	79.2	79.1	79.1	79.2	79.2	76.8	76.95	76.97	76.92	76.83	76.85	76.9	76.9	76.94	76.9	77	76.96	76.9	76.88	76.87	76.89	76.9	76.9	76.9	76.5	76.4	76.5	76.7	76.8	76.8	76.9	76.8	76.8	76.8	77.3	77.2	77.2	77.1	76.9	76.9	76.9	76.9	77	77	77.1	77	77.1	77.1	77.1	77	77.1	77	77	77.1	76.6	78.02	78	77.6	76.9	80.1	79	79.1	79.73	78	74	85.4	---	85.9	85.9	75.5	76	75	67.9	67.9	75.8	74.8	71.9	73.2	76.13	75.7
nc7	79.68	79.7	79.66	79.6	79.66	79.6	79.6	79.8	79.9	79.9	79.9	80	79.6	79.64	79.66	79.65	79.7	79.7	79.26	78.8	78.69	78.89	79.1	78.9	78.9	78.9	78.8	79	78.87	79.2	79.1	79.1	79	79.1	79.06	79.1	79.1	79.2	79.2	79.3	77.1	77.08	77.09	77.06	77.05	77.06	77.1	77.1	77.03	77.1	77.1	77.14	77.09	77.11	77.07	77.08	77.09	77.1	77.1	76.7	76.6	76.6	76.9	77	77	77	77	77	77	77.3	77.3	77.4	77.3	77	77	77	77.1	76.9	77	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77	77	77	76.8	78.16	78.2	77.7	77.1	80.3	79.2	79.4	79.73	78	73	85.5	86	---	86.6	75.8	76	76	68.1	68.1	75.9	75.2	72.1	72.9	76.15	75.8
nf8	79.93	79.9	79.96	79.88	79.93	79.9	79.9	80.2	80.5	80.5	80.5	80.6	80.1	80.05	80.06	80.04	80.1	80.1	79.56	79.2	79.19	79.28	79.4	79.1	79.2	79.2	79.1	79.2	79.13	79.5	79.5	79.5	79.4	79.4	79.42	79.5	79.5	79.5	79.4	79.6	77.1	77.15	77.12	77.12	77.06	77.02	77.1	77.1	77.13	77.1	77.2	77.19	77.15	77.11	77.07	77.14	77.16	77.1	77.2	76.5	76.5	76.5	77.1	77.3	77.3	77.4	77.4	77.4	77.4	77.6	77.5	77.7	77.6	77.2	77.2	77.2	77.3	77.4	77.5	77.5	77.4	77.5	77.5	77.5	77.4	77.5	77.5	77.5	77.5	77	78.55	78.6	78.3	77.5	80.6	79.5	79.9	80.07	78	74	85.8	85.9	86.6	---	76.4	76	76	68	68	76.4	75.7	72.6	73.6	76.29	76.4
g3	76.49	76.5	76.55	76.46	76.46	76.5	76.5	76.5	76.7	76.8	76.8	76.7	76.6	76.58	76.53	76.56	76.6	76.4	76.31	75.9	76.1	76.16	76.2	75.9	76	76	75.9	76	76	76	76.1	76	76	75.9	76.04	76	75.9	76	75.9	76	74.5	74.47	74.49	74.45	74.2	74.47	74.4	74.4	74.46	74.5	74.6	74.47	74.48	74.47	74.63	74.54	74.54	74.5	74.5	74.1	74.1	74	74.5	74.7	74.7	74.7	74.7	74.6	74.6	75	75	75	75	74.6	74.6	74.5	74.6	74.8	74.9	74.8	74.8	74.8	74.8	74.9	74.8	74.9	74.8	74.8	74.7	74.4	76.03	76	75.7	75.2	76.6	76.3	76.3	75.46	76	73	76.1	75.5	75.8	76.3	---	83	81	67.9	67.5	79.1	77.7	71.6	72.4	73.79	74.4
gb4	76.14	76.3	76.3	76.2	76.24	76.3	76.3	76	76.4	76.4	76.5	76.5	76.5	76.51	76.53	76.52	76.5	76.3	76.01	75.9	76	75.92	76	75.9	75.8	75.9	75.9	75.9	75.88	75.9	75.7	75.8	75.7	75.6	75.73	75.8	75.7	75.8	75.7	75.8	74.4	74.38	74.31	74.28	74.3	74.29	74.3	74.3	74.35	74.3	74.3	74.35	74.34	74.33	74.23	74.34	74.33	74.4	74.3	74.2	74.1	74.2	74	74	74.1	74.1	74.1	74.1	74.1	74.8	75	74.7	74.7	74.4	74.4	74.4	74.5	74.7	74.5	74.5	74.6	74.5	74.4	74.5	74.7	74.4	74.5	74.5	74.6	74.1	75.87	75.9	75.6	74.9	76.2	75.8	75.9	75.26	75	72	76	75.8	75.9	76.4	83.1	---	82	67.5	67.4	78.7	77.5	71.5	71.9	73.45	74
gp5	75.87	75.9	75.97	75.93	75.89	75.9	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.15	76.19	76.21	76.2	76	75.94	75.6	75.66	75.85	75.8	75.6	75.7	75.7	75.7	75.7	75.67	75.7	75.8	75.7	75.5	75.5	75.51	75.5	75.5	75.6	75.7	75.6	74.2	74.26	74.31	74.25	74.12	74.35	74.2	74.2	74.25	74.3	74.3	74.34	74.31	74.27	74.35	74.35	74.37	74.3	74.2	73.9	73.8	73.9	74.1	74.3	74.2	74.2	74.2	74.2	74.2	74.6	74.5	74.7	74.7	74.4	74.4	74.4	74.4	74.3	74.4	74.4	74.3	74.5	74.3	74.4	74.4	74.4	74.3	74.3	74.4	74.3	75.52	75.5	75.1	74.8	75.9	75.7	75.8	75.09	75	72	75.8	75.4	75.6	76	81.4	82	---	67.6	67.7	78.5	77.2	70.9	71.8	73.25	73.8
cd1	68	67.9	68.07	68.08	67.96	68	67.9	68.3	68	68	68	67.9	67.7	67.94	67.83	67.78	67.7	68	67.85	68.1	68.15	68.25	68.1	68.1	68.2	68.1	68.1	68.2	68.17	67.8	67.8	67.8	67.8	67.8	67.83	67.9	67.8	67.7	67.8	68	67.9	67.81	67.94	67.93	68.11	67.89	68	68	67.91	68.2	68.1	68.1	68.08	68.08	68.34	68.2	68.2	68	68.1	68.1	68.2	68.1	67.6	67.5	67.4	67.5	67.4	67.5	67.5	67.9	67.8	67.7	67.6	67.7	67.8	67.7	67.7	67.4	67.5	67.5	67.4	67.6	67.6	67.5	67.5	67.5	67.5	67.7	67.6	67.5	67.96	67.7	67.6	67.5	68.1	68	68.2	67.91	67	67	68.2	67.8	68	68	68	68	68	---	98.8	67.4	67.2	66.3	66.4	67.42	68
cd2	68.12	68.1	68.21	68.22	68.12	68.1	68	68.3	68	67.9	67.9	67.9	67.7	67.97	67.87	67.78	67.8	67.9	67.93	68	68.06	68.25	68.1	68.1	68.2	68.2	68.2	68.1	68.14	67.8	67.9	67.8	67.7	67.9	67.86	67.9	67.8	67.8	67.9	67.9	68	67.82	67.93	67.85	67.94	67.71	67.9	67.9	67.87	68	67.9	67.91	67.96	67.97	68.17	67.94	67.95	67.8	68	68.2	68.3	68.2	67.7	67.6	67.6	67.6	67.6	67.6	67.6	67.8	68	67.8	67.8	67.8	67.9	67.8	67.7	67.5	67.4	67.6	67.5	67.4	67.6	67.6	67.6	67.6	67.5	67.5	67.5	67.6	68.2	67.8	67.7	67.5	68.1	68.1	68	67.89	67	67	68.2	67.8	68	68	67.6	67	68	98.9	---	67.4	67.1	66.1	66.3	67.37	68
w115	76.57	76.6	76.62	76.58	76.58	76.6	76.5	76.7	77	77	77	77	76.9	76.76	76.83	76.78	76.8	76.8	76.64	76.4	76.4	76.51	76.7	76.4	76.4	76.4	76.2	76.4	76.4	76.3	76.3	76.3	76.2	76.2	76.28	76.3	76.2	76.2	76.2	76.3	74.8	74.79	74.84	74.79	74.71	74.73	74.7	74.7	74.77	74.8	74.8	74.73	74.81	74.8	74.68	74.78	74.79	74.7	74.8	74.5	74.4	74.4	74.8	74.8	74.9	74.9	74.9	74.9	74.9	75.4	75.2	75.3	75.3	75	75	74.9	75.1	75.3	75.2	75.3	75.2	75.2	75.2	75.2	75.3	75.3	75.2	75.2	75.2	74.7	76.49	76.5	76.2	75.6	76.8	76.5	76.7	75.51	76	73	76.2	75.9	76	76.5	79	79	79	67.6	67.6	---	78.6	71.5	72.4	73.97	74.5
w116	75.67	75.7	75.7	75.65	75.69	75.7	75.7	75.8	75.7	75.7	75.7	75.8	75.7	75.65	75.67	75.71	75.7	75.6	75.51	75.3	75.41	75.3	75.5	75.3	75.4	75.4	75.2	75.3	75.31	75.6	75.7	75.6	75.6	75.6	75.69	75.7	75.7	75.7	75.6	75.6	74.3	74.27	74.28	74.28	74.19	74.2	74.3	74.3	74.27	74.3	74.3	74.35	74.29	74.29	74.23	74.31	74.33	74.2	74.2	74.4	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.8	74.6	74.8	74.8	74.4	74.4	74.4	74.5	74.6	74.5	74.6	74.6	74.6	74.7	74.6	74.6	74.5	74.5	74.5	74.5	74.1	75.49	75.5	75.2	74.8	76	75.2	75.5	74.74	75	72	75.5	74.9	75.3	75.6	77.7	78	77	67	67	78.5	---	71.2	71.5	73.2	73.5
sr48	72.08	72.1	72.08	72.04	72.08	72.1	72.1	71.8	72.5	72.4	72.4	72.5	72.3	72.33	72.24	72.25	72.3	72.3	71.99	71.8	71.73	71.79	71.9	71.8	71.7	71.7	71.7	71.7	71.68	71.8	71.8	71.9	71.7	71.9	71.74	71.8	71.9	71.8	71.8	71.9	70.7	70.76	70.76	70.76	70.65	70.67	70.7	70.7	70.76	70.7	70.6	70.65	70.72	70.64	70.77	70.72	70.66	70.6	70.6	70.4	70.4	70.4	70.9	70.9	70.9	70.9	70.9	71	70.9	71	70.7	71	71	70.7	70.7	70.7	70.7	71	71.1	71	71	71	71	71.1	71.1	71.1	71	71	70.9	70.8	71.82	72	71.6	71.2	72.4	72	72	71.45	72	71	72.2	72	72.1	72.6	71.6	72	71	66.2	66.1	71.4	71.1	---	84.3	70.46	71
srg49	72.94	72.9	73	72.93	72.89	73	73	73.2	73.4	73.4	73.4	73.4	73.3	73.36	73.34	73.4	73.4	73.3	73.07	72.9	72.71	72.85	73	72.8	72.8	72.7	72.8	72.8	72.77	72.7	72.8	72.8	72.6	72.6	72.61	72.6	72.6	72.6	72.6	72.9	71.2	71.03	71.09	71.06	70.89	71.05	71.1	71.1	71.04	71.1	71.1	71.2	71.2	71.14	71.12	71.14	71.14	71.1	71.2	70.8	70.9	70.9	71.4	71.4	71.5	71.5	71.5	71.4	71.4	72	71.6	71.7	71.7	71.4	71.3	71.3	71.3	71.6	71.5	71.5	71.5	71.6	71.5	71.6	71.5	71.5	71.5	71.5	71.5	71.3	72.86	72.8	72.2	71.7	73.5	73	73.1	72.24	73	71	73.3	73.1	72.8	73.6	72.5	72	72	66.4	66.4	72.3	71.6	84.3	---	71.09	72.1
smn50	76.52	76.6	76.57	76.51	76.58	76.5	76.5	76.7	76.3	76.3	76.3	76.3	76.1	76.08	76.07	76.09	76.1	76.1	76.13	75.9	75.85	76.11	76.3	75.9	76	75.9	76	76	75.96	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.1	76.1	76.2	76.2	74.9	74.98	74.96	74.95	74.87	74.87	74.9	74.9	74.94	74.9	75	74.97	74.92	74.93	74.89	74.95	74.97	75	75	74.6	74.6	74.6	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.6	74.3	74.4	74.3	74.5	74.5	74.6	74.6	74.6	74.5	74.6	74.5	74.6	74.6	74.6	74.6	74.6	74.2	75.1	75	75.3	74.8	76.3	76.1	76.2	75.91	76	72	76.5	76	76.1	76.2	73.8	74	73	67.4	67.5	73.9	73.2	70.4	71.1	---	73.4
tb51	77.35	77.4	77.4	77.35	77.36	77.4	77.4	77.5	77.4	77.5	77.5	77.5	77.2	77.15	77.15	77.15	77.1	77	76.66	76.7	76.6	76.73	76.8	76.6	76.7	76.7	76.6	76.7	76.74	76.7	76.7	76.7	76.6	76.6	76.7	76.8	76.7	76.7	76.7	76.8	75.2	75.21	75.23	75.21	75.18	75.08	75.2	75.2	75.23	75.3	75.3	75.24	75.25	75.27	75.25	75.26	75.26	75.3	75.3	74.9	74.8	74.8	74.7	74.8	74.8	74.8	74.8	74.8	74.8	75.2	75.1	75.2	75.2	74.7	74.8	74.7	74.9	74.9	74.9	74.9	74.8	74.9	74.9	74.9	74.9	74.9	74.8	74.9	75	74.6	76	76.1	75.7	75.3	77.8	76.9	77	75.62	76	73	76.4	75.8	75.8	76.3	74.5	74	74	67.8	67.9	74.4	73.5	71.1	72.1	73.4	---

Supplementary Table 2d. Pairwise AAI similarity scores from 255 core genes

	ch56	re10	re14	re11	re9	re12	re13	rd55	ra97	rrh31	r34	r38	rrb103	rrb32	rrb102	rrb104	r42	rrb33	rph87	rg82	r41	rrh29	rrh101	rp26	rp25	rp88	r111	r37	r93	rj52	r44	r43	ri20	ro86	ro24	rw47	ro85	rw96	ro23	ro22	rey98	r60	rey57	rey58	rey16	rq27	rq90	rq89	r105	rey99	rey17	rey19	rey15	rey59	rey18	ro84	rrh30	r107	r40	rrh92	r113	r108	rf61	rf69	rf70	rf64	rf65	r35	r36	rf75	r110	rf72	r114	rf63	rf73	rf74	rf81	rf62	rf66	rf76	rf100	rf67	rf68	rf77	rf78	rf79	rf80	r39	r112	r45	rc54	rkr83	r94	r109	r95	r106	rt46	rk21	rr28	rr91	na53	nb6	nc7	nf8	gb4	gp5	g3	cd2	cd1	w115	w116	sr48	srg49	smn50	tb51
ch56		99.3	99.37	99.42	99.37	99.4	99.6	93.6	85.3	85.2	85.3	85.3	85.3	85.28	85.25	85.31	85.3	85.3	85.01	83.9	83.81	84.23	83.9	83.7	83.8	84	84	83.7	83.98	86.6	86.6	86.5	86.1	86.3	86.19	86.6	86.6	86.5	86.5	86.4	85.6	85.61	85.66	85.39	85.6	85.7	85.7	85.4	85.6	85.7	85.7	85.78	85.65	85.64	85.66	85.57	85.41	85.6	85.5	85.5	85.3	85.4	82.8	82.9	82.9	82.9	82.8	82.9	82.9	82.4	82.1	82.5	82.4	82.3	82.4	82.4	82.4	82.3	82.3	82.3	82.4	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.2	81.25	81.4	81.3	81.2	86.5	85.6	85.8	81.92	82	70	80.6	80.8	80.8	80.7	75.3	75	76	65.6	65.2	75.9	76.3	68.2	68.3	76.95	76.5
re10	99.27		99.69	99.74	99.7	99.7	99.6	93.7	85.4	85.3	85.4	85.4	85.4	85.39	85.36	85.42	85.4	85.3	85.11	84.1	83.99	84.38	84.1	83.8	83.9	84.2	84.1	83.9	84.14	86.5	86.6	86.5	86.1	86.4	86.26	86.6	86.7	86.5	86.4	86.5	85.7	85.75	85.66	85.41	85.73	85.7	85.7	85.5	85.74	85.8	85.8	85.81	85.79	85.65	85.67	85.71	85.54	85.6	85.6	85.5	85.5	85.5	82.8	83	83	83	82.9	83	83	82.5	82.1	82.6	82.5	82.3	82.4	82.4	82.5	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.4	82.5	82.4	82.3	81.28	81.4	81.4	81.2	86.6	85.7	85.9	81.98	82	70	80.7	80.8	80.8	80.8	75.4	76	76	65.7	65.3	75.9	76.3	68.3	68.4	77.02	76.6
re14	99.37	99.7		99.82	99.83	99.8	99.7	93.7	85.4	85.4	85.4	85.4	85.4	85.46	85.43	85.49	85.5	85.3	85.15	84.1	83.98	84.4	84.1	83.8	83.9	84.2	84.1	83.9	84.12	86.6	86.7	86.5	86.2	86.5	86.33	86.7	86.7	86.6	86.5	86.5	85.7	85.78	85.7	85.44	85.77	85.74	85.7	85.5	85.77	85.8	85.8	85.85	85.83	85.68	85.71	85.75	85.58	85.6	85.6	85.5	85.5	85.5	82.8	83	83	83	82.9	83	82.9	82.5	82.1	82.5	82.5	82.3	82.5	82.4	82.5	82.4	82.4	82.4	82.5	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.4	82.2	81.34	81.5	81.4	81.3	86.6	85.7	85.9	82.03	82	70	80.6	80.8	80.8	80.8	75.3	76	76	65.7	65.3	75.9	76.3	68.3	68.4	77.01	76.7
re11	99.42	99.7	99.82		99.82	99.8	99.7	93.7	85.5	85.4	85.4	85.4	85.4	85.44	85.42	85.48	85.5	85.3	85.19	84.1	84.02	84.43	84.1	83.9	84	84.2	84.2	83.9	84.17	86.6	86.7	86.6	86.2	86.5	86.34	86.7	86.7	86.6	86.5	86.5	85.8	85.79	85.71	85.45	85.79	85.75	85.7	85.6	85.8	85.8	85.8	85.85	85.83	85.7	85.72	85.75	85.59	85.7	85.7	85.5	85.5	85.5	82.8	83	83	83	82.9	83	82.9	82.5	82.1	82.5	82.5	82.3	82.5	82.4	82.4	82.4	82.4	82.4	82.5	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.2	81.3	81.4	81.3	81.2	86.6	85.8	85.9	82.01	83	70	80.6	80.8	80.9	80.8	75.3	76	76	65.7	65.3	75.9	76.3	68.2	68.4	77.01	76.6
re9	99.37	99.7	99.83	99.82		100	99.7	93.7	85.5	85.4	85.4	85.5	85.5	85.48	85.46	85.51	85.5	85.3	85.18	84.1	84.02	84.43	84.1	83.9	84	84.2	84.2	83.9	84.16	86.6	86.7	86.5	86.2	86.5	86.32	86.7	86.8	86.6	86.5	86.6	85.8	85.83	85.74	85.48	85.81	85.78	85.8	85.6	85.82	85.8	85.9	85.88	85.87	85.73	85.75	85.79	85.62	85.7	85.7	85.6	85.6	85.5	82.8	83	83	83	82.9	83	83	82.5	82.1	82.6	82.5	82.4	82.4	82.5	82.5	82.4	82.4	82.4	82.5	82.4	82.4	82.4	82.4	82.5	82.4	82.5	82.4	82.3	81.3	81.4	81.4	81.2	86.7	85.8	86	82.01	83	70	80.7	80.8	80.9	80.8	75.4	76	76	65.7	65.3	75.9	76.4	68.4	68.3	77.06	76.6
re12	99.37	99.7	99.83	99.82	99.99		99.7	93.7	85.5	85.4	85.4	85.4	85.5	85.46	85.44	85.5	85.5	85.3	85.18	84.1	84.01	84.43	84.1	83.9	84	84.2	84.2	83.9	84.15	86.6	86.7	86.5	86.2	86.5	86.35	86.7	86.8	86.6	86.5	86.6	85.7	85.77	85.67	85.42	85.75	85.71	85.7	85.5	85.75	85.8	85.8	85.82	85.81	85.66	85.68	85.72	85.55	85.6	85.6	85.5	85.5	85.5	82.8	83	83	83	82.9	83	82.9	82.5	82.1	82.5	82.5	82.3	82.4	82.4	82.5	82.3	82.4	82.4	82.5	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.2	81.31	81.4	81.4	81.3	86.6	85.7	86	82.01	83	70	80.6	80.8	80.8	80.8	75.4	76	76	65.7	65.3	75.9	76.3	68.3	68.3	77.03	76.6
re13	99.6	99.6	99.65	99.69	99.66	99.7		93.9	85.5	85.4	85.4	85.4	85.4	85.44	85.42	85.48	85.5	85.4	85.15	84.1	83.98	84.38	84.1	83.8	83.9	84.2	84.1	83.9	84.13	86.7	86.7	86.6	86.2	86.5	86.35	86.8	86.7	86.6	86.6	86.6	85.7	85.77	85.8	85.55	85.75	85.86	85.8	85.5	85.77	85.9	85.8	85.96	85.82	85.8	85.82	85.75	85.58	85.8	85.7	85.6	85.5	85.6	82.9	83.1	83	83.1	83	83.1	83	82.5	82.2	82.6	82.6	82.4	82.5	82.5	82.5	82.4	82.4	82.4	82.5	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.3	81.41	81.5	81.4	81.3	86.7	85.8	86	82.07	83	70	80.7	80.9	80.9	80.8	75.4	76	76	65.7	65.3	76	76.4	68.3	68.4	77.09	76.7
rd55	93.62	93.7	93.72	93.73	93.74	93.7	93.9		85.2	85.1	85.2	85.2	85.1	85.11	85.11	85.16	85.1	85	84.84	83.8	83.67	83.92	84.1	83.5	84	83.8	83.8	83.5	83.75	86.7	86.7	86.7	86.3	86.5	86.38	86.8	86.8	86.6	86.6	86.5	85.8	85.86	85.92	85.67	85.87	85.99	85.9	85.6	85.89	86	85.9	86.12	85.92	85.95	85.96	85.85	85.64	85.9	85.8	85.5	85.5	85.6	82.8	82.8	82.8	82.9	82.8	82.8	82.8	82.7	82.4	82.8	82.7	82.6	82.7	82.7	82.7	82.7	82.7	82.6	82.8	82.6	82.6	82.7	82.6	82.7	82.8	82.8	82.7	82.5	81.26	81.4	81.4	81.4	86.8	85.8	85.8	81.64	82	70	80.5	80.5	80.8	80.6	75.1	75	75	65.4	65	75.9	76.1	68.2	68.6	77.24	76.6
ra97	85.28	85.4	85.44	85.45	85.48	85.5	85.4	85.2		99.8	99.9	99.9	97.3	97.42	97.26	97.4	97.3	96.9	89.66	88.3	88.11	88.63	88.3	88.1	88.3	88.4	88.4	88.1	88.43	85.4	85.5	85.4	85	85.2	85.07	85	85.5	85.4	85.2	85.2	84	84.05	83.98	83.71	84.02	84.04	84	83.3	84.04	84.1	84.1	84.14	84.09	84.02	84.02	83.98	83.78	84	83.9	83.6	83.6	83.6	81.6	81.7	81.7	81.7	81.6	81.7	81.6	81.5	80.6	81.6	81.6	81.3	81.4	81.5	81.5	81.4	81.3	81.4	81.4	81.3	81.3	81.4	81.4	81.4	81.4	81.5	81.4	81.2	80.82	81	80.8	80.6	84.4	83.9	84.2	81.41	82	70	80.1	80.3	80.5	80.5	75.1	75	75	65.9	65.5	75.7	76.2	68.1	68.5	76.89	76.2
rrh31	85.2	85.3	85.36	85.36	85.38	85.4	85.4	85.1	99.8		99.9	99.8	97.2	97.33	97.17	97.31	97.2	96.8	89.57	88.2	88.01	88.5	88.2	88	88.2	88.3	88.3	88	88.31	85.3	85.4	85.3	85	85.2	85	85.3	85.4	85.3	85.2	85.1	83.9	83.97	83.91	83.63	83.94	83.96	83.9	83.6	83.96	84	84	84.07	84.01	83.94	83.94	83.9	83.71	83.9	83.8	83.5	83.5	83.5	81.5	81.6	81.6	81.6	81.5	81.6	81.6	81.4	80.9	81.5	81.5	81.2	81.3	81.4	81.4	81.3	81.2	81.3	81.3	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.2	81.2	80.71	80.9	80.7	80.4	84.3	83.8	84.1	81.31	82	70	80	80.2	80.4	80.4	75.2	75	75	65.8	65.3	75.6	76.2	68.4	68.8	76.78	76.1
r34	85.25	85.4	85.41	85.41	85.44	85.4	85.4	85.2	99.9	99.9		99.9	97.2	97.4	97.24	97.38	97.3	96.9	89.63	88.3	88.07	88.58	88.2	88.1	88.2	88.4	88.4	88	88.37	85.3	85.4	85.3	85	85.2	85.03	85.3	85.4	85.3	85.2	85.2	84	84.01	83.94	83.67	83.98	84	83.9	83.7	84	84	84	84.1	84.05	83.98	83.98	83.94	83.74	83.9	83.8	83.6	83.6	83.6	81.6	81.7	81.7	81.6	81.6	81.7	81.6	81.5	81	81.6	81.6	81.3	81.4	81.4	81.5	81.3	81.3	81.4	81.4	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.3	81.2	80.79	80.9	80.7	80.5	84.4	83.9	84.2	81.35	82	70	80.1	80.3	80.4	80.5	75.3	75	76	65.9	65.4	75.7	76.2	68.4	68.8	76.85	76.2
r38	85.25	85.4	85.41	85.42	85.45	85.4	85.4	85.2	99.9	99.8	99.9		97.2	97.42	97.25	97.4	97.3	96.9	89.63	88.3	88.09	88.59	88.3	88.1	88.2	88.4	88.4	88	88.39	85.4	85.4	85.4	85	85.2	85.04	85.4	85.5	85.4	85.2	85.2	84	84.02	83.96	83.69	84	84.01	83.9	83.7	84.01	84	84	84.11	84.06	83.99	83.99	83.95	83.76	83.9	83.9	83.6	83.6	83.6	81.6	81.7	81.7	81.7	81.6	81.7	81.6	81.5	81	81.5	81.6	81.3	81.4	81.4	81.5	81.3	81.3	81.3	81.4	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.3	81.2	80.78	80.9	80.7	80.5	84.4	83.9	84.2	81.37	82	70	80.1	80.3	80.5	80.5	75.3	75	76	65.9	65.4	75.7	76.2	68.4	68.8	76.86	76.2
rrb103	85.26	85.4	85.44	85.42	85.46	85.5	85.4	85.1	97.3	97.2	97.2	97.2		99.7	99.84	99.74	99.5	98.1	89.61	88.1	87.98	88.46	88.1	87.9	88.1	88.2	88.2	87.9	88.18	85.1	85.2	85.1	84.8	85	84.86	85.1	85.3	85.2	85.1	85.1	83.8	83.85	83.79	83.51	83.84	83.87	83.9	83.5	83.88	83.9	83.9	83.99	83.9	83.83	83.84	83.81	83.6	83.8	83.8	83.5	83.5	83.5	81.5	81.6	81.6	81.6	81.5	81.6	81.6	81.4	81.2	81.5	81.5	81.2	81.4	81.4	81.4	81.3	81.3	81.3	81.3	81.3	81.2	81.3	81.3	81.3	81.3	81.4	81.3	81.1	80.84	80.9	80.6	80.5	84.2	83.8	84	81.22	82	70	79.9	80.2	80.4	80.4	75.3	75	75	65.8	65.4	75.6	76.1	68.3	68.7	76.68	76.1
rrb32	85.28	85.4	85.46	85.44	85.48	85.5	85.4	85.1	97.4	97.3	97.4	97.4	99.7		99.75	99.89	99.7	98.2	89.54	88.2	88.08	88.56	88.2	88	88.1	88.3	88.3	88	88.29	85.2	85.3	85.2	84.8	85	84.87	85.2	85.3	85.2	85.1	85.1	83.9	83.91	83.85	83.58	83.9	83.94	83.8	83.6	83.94	83.9	84	84.05	83.96	83.89	83.9	83.87	83.66	83.9	83.8	83.5	83.5	83.6	81.6	81.7	81.6	81.6	81.5	81.7	81.6	81.4	81.1	81.6	81.5	81.3	81.4	81.4	81.4	81.3	81.3	81.3	81.4	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.3	81.1	80.81	80.9	80.6	80.5	84.3	83.8	84	81.21	82	70	79.9	80.3	80.4	80.4	75.4	75	75	65.8	65.3	75.6	76.1	68.3	68.7	76.7	76.1
rrb102	85.25	85.4	85.43	85.42	85.46	85.4	85.4	85.1	97.3	97.2	97.2	97.3	99.8	99.75		99.72	99.6	98.1	89.62	88.1	87.98	88.47	88.1	87.9	88.1	88.2	88.2	87.9	88.17	85.1	85.3	85.1	84.8	85	84.86	85.1	85.3	85.2	85.1	85.1	83.8	83.86	83.79	83.52	83.84	83.87	83.9	83.6	83.88	83.9	83.9	83.98	83.9	83.83	83.83	83.8	83.6	83.8	83.7	83.5	83.5	83.5	81.6	81.7	81.6	81.7	81.5	81.7	81.6	81.4	81.1	81.5	81.5	81.2	81.3	81.4	81.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.3	81.1	80.81	80.9	80.6	80.5	84.2	83.8	84	81.21	82	70	79.9	80.2	80.4	80.4	75.4	75	75	65.8	65.4	75.6	76.1	68.3	68.7	76.68	76.1
rrb104	85.31	85.4	85.49	85.48	85.51	85.5	85.5	85.2	97.4	97.3	97.4	97.4	99.7	99.89	99.72		99.7	98.2	89.57	88.2	88.07	88.56	88.2	88	88.2	88.3	88.3	88	88.27	85.2	85.3	85.2	84.8	85.1	84.89	85.2	85.3	85.2	85.1	85.1	83.9	83.93	83.87	83.59	83.91	83.95	83.8	83.6	83.96	84	84	84.07	83.98	83.9	83.91	83.88	83.68	83.9	83.8	83.6	83.6	83.6	81.5	81.6	81.6	81.6	81.5	81.6	81.6	81.4	81.1	81.6	81.5	81.2	81.4	81.4	81.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.3	81.1	80.79	80.9	80.6	80.5	84.3	83.8	84.1	81.23	82	70	79.9	80.3	80.4	80.4	75.4	75	75	65.8	65.4	75.6	76.1	68.3	68.7	76.68	76.1
r42	85.31	85.4	85.5	85.49	85.52	85.5	85.5	85.1	97.4	97.2	97.3	97.4	99.6	99.7	99.54	99.78		98.2	89.61	88.3	88.07	88.6	88.2	88	88.2	88.3	88.3	88	88.31	85.2	85.3	85.2	84.8	85	84.88	85.2	85.3	85.2	85.1	85.1	83.9	83.95	83.89	83.61	83.94	83.98	83.9	83.7	83.98	84	84	84.13	84.01	83.93	83.94	83.91	83.7	83.9	83.9	83.6	83.6	83.6	81.6	81.7	81.7	81.7	81.6	81.7	81.6	81.5	80.8	81.6	81.6	81.3	81.4	81.5	81.5	81.4	81.3	81.4	81.4	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.3	81.2	80.84	81	80.7	80.5	84.3	83.8	84.1	81.28	82	70	79.9	80.3	80.4	80.5	75.4	75	75	65.8	65.3	75.6	76.1	68.4	68.8	76.77	76.1
rrb33	85.27	85.3	85.31	85.31	85.33	85.3	85.4	85	96.9	96.8	96.9	96.9	98.1	98.24	98.08	98.23	98.2		89.16	88	87.85	88.36	88	87.8	87.9	88.1	88.1	87.8	88.06	85.1	85.2	85.1	85.1	84.9	84.74	85.1	85.2	85.1	85.1	84.9	83.7	83.78	83.82	83.55	83.75	83.87	83.8	83.5	83.77	83.9	83.8	83.96	83.8	83.85	83.85	83.7	83.5	83.8	83.6	83.5	83.5	83.6	81.4	81.5	81.5	81.5	81.4	81.6	81.5	81.4	81.1	81.5	81.5	81.3	81.4	81.4	81.4	81.3	81.3	81.3	81.4	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.3	81.1	80.8	80.8	80.5	80.4	84.2	83.8	84	81.13	82	70	79.9	80.3	80.4	80.3	75.3	75	75	65.7	65.3	75.6	76.2	68.2	68.6	77	75.9
rph87	85.01	85.1	85.15	85.19	85.18	85.2	85.2	84.8	89.7	89.6	89.6	89.6	89.6	89.54	89.62	89.57	89.6	89.2		89.2	89.07	89.49	89.2	88.9	89.1	89.3	89.3	88.8	89.32	84.6	84.7	84.6	84.3	84.5	84.34	84.6	84.7	84.6	84.5	84.6	83.7	83.55	83.69	83.44	83.68	83.57	83.5	83.3	83.53	83.5	83.5	83.69	83.52	83.55	83.56	83.5	83.28	83.5	83.4	83.2	83.2	83.2	81.4	81.3	81.3	81.3	81.2	81.3	81.3	81	80.8	81.2	81.1	80.9	80.9	81	81	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81	80.9	80.7	80.41	80.5	80.3	80.2	84.1	83.9	84.2	80.92	82	70	79.5	79.9	79.9	79.9	75	75	75	65.9	65.4	75.6	75.9	68.2	68.5	76.35	75.9
rg82	83.9	84	84.06	84.08	84.09	84.1	84	83.8	88.3	88.2	88.3	88.3	88.1	88.26	88.11	88.26	88.3	88	89.24		98.77	97.61	97.2	97	97.1	97.4	97.2	96.7	97.44	83.7	83.8	83.7	83.3	83.6	83.43	83.8	83.9	83.7	83.7	83.6	83	82.89	82.98	82.74	83.02	82.91	82.8	82.6	82.87	82.9	82.9	83.02	82.93	82.88	82.87	82.85	82.65	82.8	82.8	82.6	82.6	82.7	80.9	81	80.9	80.9	80.9	81	81	80.8	80.5	80.8	80.8	80.5	80.6	80.7	80.7	80.6	80.6	80.6	80.7	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.6	80.4	80.27	80.3	80.1	79.9	83	83	83.2	80.37	82	70	79.4	79.6	79.5	79.7	74.9	75	75	65.7	65.4	75.6	75.9	68	68.3	76.1	75.9
r41	83.79	84	83.98	84	84	84	84	83.7	88.1	88	88.1	88.1	88	88.08	87.98	88.07	88.1	87.9	89.07	98.8		96.97	96.5	96.3	96.5	96.8	97	96	96.77	83.6	83.7	83.6	83.3	83.5	83.36	83.7	83.8	83.7	83.6	83.6	82.8	82.76	82.86	82.59	82.89	82.76	82.7	82.4	82.72	82.8	82.8	82.92	82.81	82.76	82.75	82.72	82.52	82.7	82.7	82.5	82.6	82.5	80.9	80.9	80.9	80.9	80.8	80.9	80.9	80.5	80.1	80.6	80.7	80.4	80.5	80.6	80.6	80.5	80.5	80.5	80.5	80.4	80.5	80.5	80.5	80.5	80.6	80.6	80.5	80.3	80.25	80.3	80	79.9	82.9	83	83.2	80.3	82	70	79.4	79.6	79.5	79.7	74.9	75	75	65.9	65.4	75.5	76.1	67.8	68.2	76.14	75.8
rrh29	84.23	84.4	84.4	84.43	84.43	84.4	84.4	83.9	88.6	88.5	88.6	88.6	88.5	88.56	88.47	88.56	88.6	88.4	89.49	97.6	96.97		98.8	98.6	98.7	98.9	98.7	98.1	98.96	83.9	84	83.9	83.6	83.8	83.65	84	84.1	84	83.9	83.9	83.1	83.08	83.17	82.89	83.22	83.07	83	82.8	83.04	83.1	83.1	83.14	83.12	83.04	83.04	83.04	82.85	83	82.8	82.9	82.9	82.9	81.2	81.3	81.3	81.3	81.2	81.2	81.2	81	80.6	80.9	80.9	80.6	80.7	80.8	80.9	80.7	80.7	80.7	80.8	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.6	80.5	80.6	80.2	80	83.2	83.2	83.5	80.53	82	70	79.7	79.8	79.8	80	75.1	75	75	66	65.6	75.8	76.1	68.2	68.5	76.31	76
rrh101	83.92	84.1	84.1	84.11	84.12	84.1	84.1	84.1	88.3	88.2	88.2	88.3	88.1	88.19	88.1	88.19	88.2	88	89.16	97.2	96.54	98.77		98.1	98.8	98.5	98.3	97.7	98.53	83.7	83.7	83.6	83.3	83.6	83.37	83.7	83.8	83.7	83.6	83.6	82.9	82.79	82.88	82.63	82.94	82.8	82.7	82.5	82.74	82.8	82.9	82.96	82.83	82.76	82.76	82.78	82.59	82.8	82.5	82.6	82.6	82.5	81	81	81	81	80.9	81	81	80.6	80.4	80.7	80.7	80.5	80.6	80.5	80.6	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.5	80.3	80.28	80.3	80	79.9	83	83	83.2	80.38	82	70	79.4	79.5	79.5	79.7	74.8	75	75	65.8	65.3	75.5	75.9	68	68.6	76.42	75.6
rp26	83.66	83.8	83.83	83.87	83.86	83.9	83.8	83.5	88.1	88	88.1	88.1	87.9	87.98	87.87	87.98	88	87.8	88.92	97	96.34	98.55	98.1		99	99.3	99.1	98.6	99.31	83.4	83.5	83.4	83.1	83.3	83.13	83.4	83.6	83.4	83.3	83.4	82.6	82.5	82.63	82.38	82.68	82.54	82.4	82.2	82.5	82.6	82.6	82.73	82.6	82.51	82.53	82.53	82.34	82.5	82.5	82.3	82.4	82.3	80.6	80.7	80.7	80.7	80.6	80.7	80.7	80.4	80.4	80.4	80.4	80.2	80.2	80.3	80.4	80.2	80.2	80.2	80.3	80.2	80.2	80.3	80.2	80.3	80.3	80.3	80.3	80.1	80.07	80.1	79.8	79.7	82.7	82.7	83	80.08	81	70	79.2	79.3	79.3	79.4	74.8	75	75	65.6	65.2	75.4	75.7	67.8	68.1	75.93	75.5
rp25	83.77	83.9	83.92	83.97	83.96	84	83.9	84	88.3	88.2	88.2	88.2	88.1	88.14	88.06	88.15	88.2	87.9	89.12	97.1	96.46	98.65	98.8	99		99.4	99.1	98.6	99.36	83.5	83.6	83.5	83.2	83.5	83.3	83.6	83.8	83.6	83.5	83.5	82.8	82.68	82.77	82.52	82.81	82.68	82.6	82.4	82.64	82.7	82.8	82.84	82.71	82.67	82.67	82.67	82.48	82.6	82.6	82.5	82.5	82.5	80.9	80.9	80.9	80.9	80.8	80.9	80.9	80.6	80.3	80.6	80.6	80.3	80.4	80.5	80.6	80.4	80.4	80.4	80.5	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.4	80.3	80.17	80.2	79.9	79.8	82.9	82.9	83.2	80.28	82	70	79.4	79.5	79.5	79.6	74.8	75	75	65.7	65.3	75.5	75.7	67.9	68.6	76.38	75.5
rp88	83.99	84.2	84.16	84.2	84.19	84.2	84.2	83.8	88.4	88.3	88.4	88.4	88.2	88.3	88.2	88.29	88.3	88.1	89.28	97.4	96.77	98.94	98.5	99.3	99.4		99.4	98.9	99.75	83.7	83.8	83.7	83.4	83.6	83.43	83.7	83.9	83.8	83.7	83.7	82.9	82.82	82.94	82.69	83	82.85	82.7	82.5	82.82	82.9	82.9	83.03	82.89	82.81	82.83	82.83	82.64	82.8	82.7	82.7	82.7	82.7	81	81.1	81	81.1	81	81.1	81	80.7	80.4	80.7	80.7	80.5	80.6	80.6	80.7	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.6	80.4	80.29	80.4	80.1	80	83	83	83.3	80.38	82	70	79.5	79.7	79.6	79.8	75	75	75	65.8	65.4	75.6	75.9	68	68.3	76.18	75.8
r111	83.97	84.1	84.11	84.16	84.16	84.2	84.1	83.8	88.4	88.3	88.4	88.4	88.2	88.3	88.19	88.3	88.4	88.1	89.31	97.2	96.97	98.7	98.3	99.1	99.1	99.4		98.7	99.49	83.7	83.8	83.7	83.4	83.6	83.44	83.7	83.9	83.8	83.7	83.7	83	82.82	82.95	82.71	83.01	82.86	82.7	82.5	82.84	82.9	82.9	82.98	82.9	82.83	82.84	82.85	82.66	82.8	82.8	82.6	82.7	82.6	80.9	81	81	81	81	81	81	80.7	80.4	80.7	80.7	80.5	80.6	80.6	80.7	80.5	80.5	80.5	80.6	80.5	80.5	80.6	80.5	80.6	80.6	80.6	80.5	80.4	80.28	80.4	80	79.9	83	83	83.4	80.37	82	70	79.5	79.6	79.6	79.8	74.9	75	75	65.8	65.4	75.6	76.1	68	68.3	76.17	75.8
r37	83.68	83.9	83.83	83.89	83.88	83.9	83.8	83.5	88.1	88	88	88	87.9	87.95	87.86	87.95	88	87.8	88.82	96.7	96	98.14	97.7	98.6	98.6	98.9	98.7		98.9	83.4	83.5	83.4	83.1	83.4	83.16	83.5	83.6	83.5	83.4	83.4	82.7	82.53	82.68	82.4	82.71	82.59	82.4	82.3	82.53	82.6	82.7	82.72	82.62	82.56	82.54	82.58	82.38	82.5	82.6	82.4	82.4	82.4	80.7	80.8	80.8	80.8	80.7	80.8	80.8	80.5	80.2	80.4	80.4	80.2	80.2	80.3	80.4	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.3	80.2	80.06	80.1	79.8	79.6	82.7	82.8	83.1	80.13	82	70	79.3	79.4	79.3	79.5	74.8	75	75	66	65.5	75.4	75.7	68	68.1	76.07	75.7
r93	83.97	84.1	84.11	84.16	84.16	84.2	84.1	83.8	88.4	88.3	88.4	88.4	88.2	88.3	88.18	88.28	88.3	88.1	89.32	97.4	96.77	98.96	98.5	99.3	99.4	99.8	99.5	98.9		83.7	83.8	83.7	83.4	83.6	83.42	83.7	83.9	83.7	83.6	83.7	82.9	82.79	82.93	82.66	82.98	82.84	82.7	82.5	82.8	82.9	82.9	83.03	82.9	82.81	82.81	82.84	82.64	82.8	82.8	82.7	82.7	82.6	80.9	81	81	81	80.9	81	81	80.7	80.4	80.7	80.7	80.5	80.5	80.6	80.7	80.5	80.5	80.6	80.6	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.4	80.3	80.4	80.1	79.9	83	83	83.3	80.36	82	70	79.5	79.6	79.6	79.8	74.9	75	75	65.8	65.4	75.6	75.9	68	68.3	76.21	75.8
rj52	86.55	86.5	86.56	86.59	86.59	86.6	86.7	86.7	85.4	85.3	85.3	85.4	85.1	85.17	85.13	85.18	85.2	85.1	84.63	83.7	83.63	83.9	83.7	83.4	83.5	83.7	83.7	83.4	83.68		99.7	99.8	98.3	98.7	98.21	98.7	98.9	99	98.6	97.9	88.7	88.79	88.82	88.56	88.73	88.95	88.8	88.4	88.76	88.9	88.9	88.96	88.83	88.93	88.9	88.8	88.53	88.8	88.6	88.4	88.3	88.3	84	84.1	84	84.1	84	84.1	84.1	83.8	83.6	83.9	83.9	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.8	83.8	83.8	83.8	83.9	83.8	83.9	83.8	83.6	82.12	82.3	82.3	82.3	86.9	85.4	85.6	82.15	84	70	80.8	81.2	80.9	81	75.6	76	76	65.8	65.3	76.3	76.8	68.5	68.8	77.26	76.5
r44	86.58	86.6	86.7	86.74	86.69	86.7	86.7	86.7	85.5	85.4	85.4	85.4	85.2	85.29	85.25	85.3	85.3	85.2	84.7	83.8	83.71	84.01	83.7	83.5	83.6	83.8	83.8	83.5	83.77	99.7		99.6	98.3	98.7	98.46	98.7	99.2	99	98.6	97.9	88.9	88.93	88.83	88.56	88.87	88.94	88.8	88.6	88.9	88.9	89	88.95	88.97	88.92	88.89	88.94	88.67	88.8	88.7	88.4	88.4	88.4	84	84.1	84.1	84.1	84	84.1	84.1	83.8	83.5	83.9	83.9	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.8	83.6	82.16	82.3	82.4	82.4	86.9	85.4	85.6	82.16	84	70	80.8	81.2	80.9	80.9	75.6	76	76	65.7	65.3	76.4	76.8	68.5	68.8	77.3	76.5
r43	86.48	86.5	86.52	86.55	86.54	86.5	86.6	86.7	85.4	85.3	85.3	85.4	85.1	85.15	85.12	85.17	85.2	85.1	84.57	83.7	83.62	83.88	83.6	83.4	83.5	83.7	83.7	83.4	83.68	99.8	99.6		98.3	98.7	98.23	98.7	98.9	99	98.6	97.9	88.7	88.76	88.79	88.54	88.71	88.93	88.8	88.4	88.75	88.9	88.8	88.92	88.8	88.88	88.86	88.76	88.49	88.8	88.5	88.4	88.2	88.3	84	84.1	84	84.1	84	84.1	84	83.8	83.5	83.8	83.9	83.7	83.7	83.8	83.8	83.8	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.5	82.06	82.2	82.4	82.3	86.9	85.4	85.5	82.08	84	70	80.8	81.1	80.9	81	75.6	76	76	65.7	65.3	76.3	76.7	68.4	68.8	77.23	76.5
ri20	86.07	86.1	86.18	86.21	86.21	86.2	86.2	86.3	85	85	85	85	84.8	84.79	84.79	84.81	84.8	85.1	84.25	83.3	83.27	83.59	83.3	83.1	83.2	83.4	83.4	83.1	83.36	98.3	98.3	98.3		98.9	98.52	98.4	98.4	98.5	98.3	97.6	88.3	88.33	88.21	87.96	88.26	88.33	88.3	88	88.29	88.3	88.3	88.35	88.35	88.31	88.29	88.32	88.03	88.2	88	87.8	87.8	87.8	83.4	83.6	83.5	83.6	83.5	83.6	83.6	83.3	83.2	83.3	83.4	83.1	83.2	83.2	83.2	83.2	83.3	83.2	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.2	83.1	81.73	81.9	82	81.9	86.4	84.9	85.1	81.74	84	70	80.4	80.8	80.5	80.6	75.2	75	75	65.5	65.1	76	76.4	68.2	68.5	77.19	76.2
ro86	86.33	86.4	86.46	86.47	86.45	86.5	86.5	86.5	85.2	85.2	85.2	85.2	85	85.03	85.02	85.05	85	84.9	84.49	83.6	83.53	83.83	83.6	83.3	83.5	83.6	83.6	83.4	83.6	98.6	98.7	98.6	98.9		98.92	99.1	98.8	98.8	98.7	98	88.6	88.69	88.57	88.32	88.63	88.7	88.6	88.4	88.67	88.6	88.7	88.71	88.72	88.68	88.65	88.68	88.4	88.6	88.4	88.1	88.2	88.1	83.7	83.8	83.7	83.8	83.7	83.8	83.7	83.6	83.4	83.6	83.6	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.5	83.3	81.97	82.1	82.2	82.2	86.6	85.2	85.4	81.95	84	70	80.6	81	80.7	80.8	75.4	76	76	65.7	65.3	76.2	76.6	68.3	68.6	77.09	76.4
ro24	86.19	86.3	86.33	86.34	86.32	86.4	86.4	86.4	85.1	85	85	85	84.9	84.87	84.86	84.89	84.9	84.7	84.34	83.4	83.16	83.65	83.4	83.1	83.3	83.4	83.4	83.2	83.41	98.2	98.4	98.2	98.5	98.9		98.5	98.6	98.5	98.5	97.6	88.5	88.54	88.41	88.6	88.47	88.54	88.5	88.2	88.29	88.5	88.6	88.55	88.57	88.51	88.48	88.54	88.26	88.4	88.3	87.9	88	87.9	83.6	83.7	83.6	83.7	83.5	83.7	83.6	83.5	83.4	83.5	83.6	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.4	83.2	81.79	82	82.1	82	86.6	85	85.2	81.82	84	70	80.5	80.9	80.5	80.6	75.4	76	76	65.6	65.2	76.1	76.6	68.2	68.6	76.96	76.3
rw47	86.6	86.6	86.65	86.66	86.66	86.7	86.8	86.8	85.4	85.3	85.3	85.4	85.1	85.19	85.14	85.21	85.2	85.1	84.6	83.8	83.69	83.95	83.7	83.4	83.6	83.7	83.7	83.5	83.72	98.7	98.7	98.7	98.4	99.1	98.65		98.8	98.7	98.7	97.5	88.8	88.82	88.84	88.58	88.75	88.97	88.9	88	88.8	88.9	88.8	88.87	88.84	88.45	88.92	88.8	88.52	88.8	88.6	88.4	88.3	88.4	84	84.1	84	84.1	84	84.1	84	83.8	83.4	83.8	83.9	83.6	83.7	83.7	83.7	83.8	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.6	82.23	82.4	82.5	82.4	86.9	85.5	85.6	82.1	84	70	80.8	81.2	80.9	80.9	75.7	76	76	65.8	65.4	76.4	76.9	68.5	68.7	77.29	76.7
ro85	86.59	86.7	86.72	86.72	86.75	86.8	86.7	86.8	85.5	85.4	85.4	85.5	85.3	85.32	85.28	85.32	85.3	85.2	84.72	83.8	83.76	84.1	83.8	83.6	83.8	83.9	83.9	83.6	83.87	98.9	99.2	98.9	98.4	98.8	98.56	98.8		99.7	98.7	98.1	88.9	88.97	88.87	88.61	88.91	89	88.9	88.6	88.96	88.9	89	88.97	88.99	88.95	88.92	88.96	88.68	88.9	88.7	88.4	88.4	88.3	84.1	84.2	84.2	84.2	84.1	84.2	84.2	83.9	83.6	83.9	84	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.8	83.6	82.19	82.3	82.4	82.4	87	85.4	85.6	82.22	84	70	80.8	81.3	80.9	80.9	75.7	76	76	65.8	65.4	76.4	76.8	68.5	68.8	77.28	76.6
rw96	86.45	86.5	86.58	86.58	86.61	86.6	86.6	86.6	85.4	85.3	85.3	85.4	85.2	85.21	85.17	85.22	85.2	85.1	84.58	83.7	83.66	83.96	83.7	83.4	83.6	83.7	83.8	83.5	83.72	99	99	99	98.5	98.8	98.49	98.7	99.7		98.6	98.1	88.7	88.78	88.68	88.42	88.72	88.8	88.7	88.4	88.76	88.8	88.8	88.8	88.81	88.77	88.73	88.78	88.5	88.7	88.6	88.2	88.2	88.2	84	84	84	84	83.9	84	84	83.8	83.5	83.8	83.8	83.5	83.6	83.7	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.7	83.8	83.7	83.4	82.02	82.2	82.3	82.2	86.8	85.3	85.5	82.06	84	70	80.7	81.2	80.8	80.9	75.6	76	76	65.8	65.4	76.3	76.7	68.4	68.7	77.24	76.5
ro23	86.47	86.4	86.5	86.54	86.52	86.5	86.6	86.6	85.2	85.2	85.2	85.2	85.1	85.09	85.08	85.09	85.1	85.1	84.5	83.6	83.57	83.85	83.6	83.3	83.5	83.7	83.7	83.4	83.64	98.6	98.6	98.6	98.3	98.7	98.51	98.7	98.7	98.6		97.8	88.6	88.67	88.71	88.45	88.61	88.82	88.8	88.7	88.64	88.8	88.7	88.84	88.7	88.8	88.78	88.68	88.4	88.7	88.4	88.2	88.1	88.2	83.8	84	83.9	84	83.9	84	84	83.6	83.6	83.7	83.7	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.4	81.97	82.2	82.3	82.2	86.7	85.3	85.5	81.99	84	70	80.7	81	80.7	80.7	75.5	76	76	65.6	65.2	76.2	76.7	68.4	68.7	77.18	76.4
ro22	86.41	86.5	86.53	86.54	86.57	86.6	86.6	86.5	85.2	85.1	85.2	85.2	85.1	85.08	85.07	85.09	85.1	84.9	84.63	83.6	83.62	83.88	83.6	83.4	83.5	83.7	83.7	83.4	83.67	97.9	97.9	97.9	97.6	98	97.61	97.5	98.1	98.1	97.8		88.7	88.77	88.65	88.4	88.7	88.75	88.7	88.4	88.74	88.7	88.8	88.75	88.77	88.72	88.71	88.74	88.47	88.6	88.5	88.1	88.2	88.1	83.9	84	83.9	83.9	83.8	83.9	83.9	83.7	83.5	83.7	83.7	83.5	83.6	83.6	83.6	83.6	83.6	83.7	83.6	83.6	83.6	83.6	83.7	83.6	83.6	83.6	83.6	83.3	81.98	82.1	82.2	82.2	86.7	85.3	85.5	82.11	84	70	80.7	81.1	80.9	80.8	75.5	76	76	65.8	65.3	76.4	76.7	68.4	68.8	77.21	76.4
rey98	85.55	85.7	85.74	85.75	85.78	85.7	85.7	85.8	84	83.9	84	84	83.8	83.86	83.79	83.87	83.9	83.7	83.71	82.9	82.84	83.14	82.9	82.6	82.8	82.9	83	82.7	82.93	88.7	88.9	88.7	88.3	88.6	88.46	88.8	88.9	88.7	88.6	88.7		99.66	99.69	99.38	99.83	99.52	99.3	99.1	99.61	99.2	99.4	99.11	99.39	99.25	99.25	99.4	99.1	99.1	98.9	95	95	95	83.3	83.3	83.2	83.3	83.2	83.3	83.3	83.3	83	83.3	83.3	83.1	83.2	83.2	83.2	83.1	83.1	83.1	83.2	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	82.9	81.41	81.5	81.9	81.7	85.8	84.8	84.8	81.17	83	69	80.2	80.2	80.2	80	75.1	75	75	65.6	65.2	75.9	76.1	68.1	68.2	76.61	76.7
r60	85.61	85.8	85.78	85.79	85.83	85.8	85.8	85.9	84.1	84	84	84	83.9	83.91	83.86	83.93	84	83.8	83.56	82.9	82.76	83.08	82.8	82.5	82.7	82.8	82.8	82.5	82.78	88.8	88.9	88.8	88.3	88.7	88.54	88.8	89	88.8	88.7	88.8	99.7		99.5	99.19	99.63	99.61	99.6	99.2	99.79	99.4	99.5	99.19	99.57	99.32	99.33	99.49	99.19	99.3	99	95.1	95.1	95.1	83.4	83.3	83.3	83.3	83.2	83.3	83.3	83.3	83	83.3	83.3	83.1	83.2	83.2	83.2	83.1	83.1	83.2	83.2	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	82.9	81.38	81.5	81.8	81.7	85.9	84.7	84.7	81.22	83	69	80.3	80.3	80.2	80.1	75	75	75	65.6	65.2	75.8	76	68	68.2	76.6	76.6
rey57	85.66	85.7	85.7	85.72	85.74	85.7	85.8	85.9	84	83.9	83.9	84	83.8	83.85	83.79	83.87	83.9	83.8	83.7	83	82.86	83.17	82.9	82.6	82.8	82.9	83	82.7	82.93	88.8	88.8	88.8	88.2	88.6	88.41	88.8	88.9	88.7	88.7	88.7	99.7	99.5		99.52	99.69	99.69	99.5	99	99.45	99.4	99.2	99.28	99.25	99.42	99.42	99.23	98.93	99.3	98.8	95.1	95	95.1	83.4	83.3	83.3	83.3	83.2	83.4	83.4	83.3	83	83.3	83.4	83.1	83.2	83.2	83.2	83.1	83.1	83.2	83.2	83.2	83.2	83.1	83.2	83.2	83.2	83.2	83.2	83	81.45	81.6	81.9	81.8	85.9	84.8	84.8	81.23	83	69	80.3	80.3	80.3	80.1	75.1	75	76	65.6	65.1	75.9	76.1	68.1	68.2	76.66	76.6
rey58	85.39	85.4	85.44	85.45	85.48	85.4	85.6	85.7	83.7	83.6	83.7	83.7	83.5	83.58	83.52	83.59	83.6	83.6	83.45	82.7	82.38	82.89	82.6	82.4	82.5	82.7	82.7	82.4	82.66	88.6	88.6	88.5	88	88.3	88.6	88.4	88.6	88.4	88.5	88.4	99.4	99.19	99.52		99.34	99.34	99.1	98.6	98.94	99.2	99	99.02	98.98	99.16	99.17	99.01	98.71	99	98.5	94.9	94.7	94.9	83.1	83.1	83	83	83	83.1	83.1	83.1	82.8	83.1	83.1	82.9	83	83	83	82.9	82.9	82.9	83	82.9	82.9	82.9	82.9	82.9	83	83	83	82.7	81.19	81.3	81.6	81.5	85.7	84.6	84.5	81	83	69	80	80	80	79.9	75	75	75	65.5	65	75.8	76	67.9	68	76.4	76.4
rey16	85.6	85.7	85.77	85.79	85.81	85.8	85.8	85.9	84	83.9	84	84	83.8	83.9	83.84	83.91	83.9	83.8	83.68	83	82.89	83.21	82.9	82.7	82.8	83	83	82.7	82.97	88.7	88.9	88.7	88.3	88.6	88.47	88.8	88.9	88.7	88.6	88.7	99.8	99.63	99.69	99.34		99.53	99.3	99.1	99.58	99.3	99.4	99.14	99.41	99.27	99.28	99.39	99.09	99.1	98.9	95.1	95.1	95.1	83.3	83.2	83.2	83.2	83.1	83.2	83.2	83.3	83	83.3	83.4	83.1	83.3	83.2	83.3	83.1	83.1	83.2	83.2	83.2	83.1	83.1	83.2	83.2	83.2	83.2	83.2	82.9	81.39	81.5	81.8	81.7	85.9	84.8	84.7	81.18	83	69	80.2	80.2	80.2	80.1	75.1	75	76	65.6	65.2	75.9	76.1	68.1	68.2	76.59	76.7
rq27	85.7	85.7	85.74	85.76	85.78	85.7	85.9	86	84	84	84	84	83.9	83.94	83.87	83.95	84	83.9	83.57	82.9	82.76	83.07	82.8	82.5	82.7	82.9	82.9	82.6	82.84	89	88.9	88.9	88.3	88.7	88.54	89	89	88.8	88.8	88.8	99.5	99.61	99.69	99.34	99.53		99.6	99.2	99.55	99.5	99.4	99.47	99.36	99.61	99.6	99.41	99.11	99.4	99	95.3	95.1	95.3	83.4	83.4	83.4	83.4	83.3	83.4	83.4	83.4	83	83.4	83.4	83.2	83.3	83.3	83.3	83.2	83.2	83.3	83.3	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83	81.48	81.6	81.9	81.8	86	84.8	84.7	81.29	83	69	80.4	80.4	80.4	80.2	75.1	75	75	65.6	65.2	75.9	76.1	68	68.2	76.69	76.6
rq90	85.67	85.7	85.71	85.73	85.76	85.7	85.8	85.9	84	83.9	83.9	83.9	83.9	83.82	83.86	83.83	83.9	83.8	83.54	82.8	82.67	82.97	82.7	82.4	82.6	82.7	82.7	82.4	82.7	88.8	88.8	88.8	88.3	88.6	88.47	88.9	88.9	88.7	88.8	88.7	99.3	99.63	99.45	99.14	99.26	99.56		98.8	99.44	99.4	99.1	99.14	99.21	99.27	99.28	99.13	98.83	99.2	98.6	95.1	94.9	95	83.4	83.3	83.3	83.3	83.2	83.3	83.3	83.3	83.1	83.3	83.4	83.2	83.3	83.3	83.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83	81.56	81.7	81.9	81.7	86	84.7	84.6	81.19	83	69	80.3	80.3	80.3	80.1	75.1	75	75	65.6	65.1	76	76.1	68	68.2	76.57	76.6
rq89	85.38	85.5	85.54	85.57	85.55	85.5	85.5	85.6	83.7	83.6	83.7	83.7	83.5	83.61	83.55	83.62	83.7	83.5	83.25	82.5	82.44	82.76	82.5	82.2	82.4	82.5	82.5	82.3	82.52	88.4	88.6	88.4	88	88.4	88.18	88	88.6	88.4	88.7	88.4	99.1	99.21	98.96	98.62	99.1	99.15	98.8		98.63	98.8	99	98.72	98.94	98.87	98.86	98.98	98.68	99	98.5	94.7	94.7	94.7	83	83	83	83	82.9	83	83	83	81.7	83	83	82.8	82.9	82.9	82.9	82.8	82.8	82.9	82.9	82.8	82.8	82.8	82.9	82.8	82.9	82.9	82.9	82.6	81.19	81.3	81.6	81.4	85.6	84.4	84.4	80.96	83	69	80.1	80	80.1	79.9	75	75	75	65.6	65.1	75.7	75.6	68	68.1	76.33	76.6
r105	85.6	85.7	85.77	85.8	85.82	85.8	85.8	85.9	84	84	84	84	83.9	83.94	83.88	83.96	84	83.8	83.53	82.8	82.72	83.04	82.7	82.5	82.6	82.8	82.8	82.5	82.8	88.8	88.9	88.8	88.3	88.7	88.48	88.8	89	88.8	88.6	88.7	99.6	99.79	99.45	99.15	99.58	99.55	99.4	99.1		99.4	99.5	99.17	99.54	99.3	99.3	99.47	99.16	99.2	99	95.1	95.1	95.1	83.3	83.3	83.3	83.3	83.2	83.3	83.3	83.3	82.9	83.2	83.3	83	83.2	83.1	83.1	83.1	83	83.1	83.1	83.1	83.1	83	83.1	83.1	83.1	83.1	83.1	82.9	81.34	81.5	81.8	81.6	86	84.6	84.6	81.22	83	69	80.3	80.2	80.2	80	75	75	75	65.5	65.1	75.8	76	68	68.1	76.59	76.6
rey99	85.74	85.8	85.79	85.8	85.83	85.8	85.9	86	84.1	84	84	84	83.9	83.94	83.88	83.95	84	83.9	83.5	82.9	82.76	83.08	82.8	82.6	82.7	82.9	82.9	82.6	82.85	88.9	88.9	88.9	88.3	88.6	88.5	88.9	88.9	88.8	88.8	88.7	99.2	99.41	99.4	99.15	99.26	99.52	99.4	98.8	99.4		99.6	99.59	99.7	99.78	99.78	99.57	99.27	99.7	99.1	95.2	95.1	95.2	83.3	83.3	83.3	83.3	83.2	83.3	83.3	83.4	83.1	83.4	83.4	83.2	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83	81.4	81.5	81.8	81.7	86.1	84.8	84.7	81.27	83	69	80.3	80.3	80.3	80.2	75.1	75	75	65.6	65.1	75.9	76.1	68.1	68.2	76.64	76.7
rey17	85.65	85.8	85.82	85.84	85.86	85.8	85.8	85.9	84.1	84	84	84	83.9	83.95	83.88	83.96	84	83.8	83.54	82.9	82.8	83.13	82.9	82.6	82.8	82.9	82.9	82.7	82.92	88.9	89	88.8	88.3	88.7	88.56	88.8	89	88.8	88.7	88.8	99.4	99.49	99.24	99.02	99.4	99.42	99.1	99	99.48	99.6		99.5	99.73	99.66	99.66	100	99.7	99.4	99.3	95.2	95.2	95.2	83.2	83.2	83.2	83.2	83.1	83.2	83.2	83.3	83	83.3	83.3	83.1	83.2	83.2	83.2	83.1	83.1	83.1	83.2	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	82.9	81.37	81.5	81.8	81.7	85.9	84.7	84.7	81.23	83	69	80.3	80.3	80.3	80.1	75	75	75	65.6	65.1	75.9	76	68	68.2	76.58	76.6
rey19	85.78	85.8	85.85	85.85	85.88	85.8	86	86.1	84.1	84.1	84.1	84.1	84	84.05	83.98	84.07	84.1	84	83.69	83	82.92	83.14	83	82.7	82.8	83	83	82.7	83.03	89	89	88.9	88.4	88.7	88.55	88.9	89	88.8	88.8	88.8	99.1	99.19	99.28	99.02	99.14	99.47	99.1	98.7	98.67	99.6	99.5		99.43	99.67	99.67	99.49	99.19	99.4	99	95.2	95.1	95.2	83.5	83.5	83.5	83.4	83.4	83.5	83.5	83.5	83.1	83.5	83.5	83.3	83.4	83.4	83.4	83.3	83.3	83.3	83.4	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.2	81.61	81.7	82	81.9	86	84.9	84.9	81.32	83	70	80.5	80.5	80.5	80.4	75.3	75	76	65.8	65.4	76.1	76.3	68.2	68.3	76.84	76.8
rey15	85.65	85.8	85.83	85.84	85.87	85.8	85.8	85.9	84.1	84	84.1	84.1	83.9	83.96	83.9	83.98	84	83.8	83.52	82.9	82.81	83.12	82.8	82.6	82.7	82.9	82.9	82.6	82.9	88.8	89	88.8	88.4	88.7	88.57	88.8	89	88.8	88.7	88.8	99.4	99.57	99.25	98.98	99.41	99.36	99.2	98.9	99.54	99.7	99.7	99.43		99.61	99.59	99.73	99.43	99.5	99.2	95.1	95.1	95.1	83.2	83.2	83.2	83.2	83.1	83.2	83.2	83.3	83	83.3	83.4	83.1	83.2	83.2	83.2	83.2	83.1	83.2	83.2	83.2	83.2	83.1	83.2	83.2	83.2	83.2	83.2	82.9	81.35	81.5	81.8	81.6	86	84.7	84.6	81.22	83	69	80.3	80.3	80.3	80.1	75	75	75	65.6	65.1	75.9	76	68.1	68.2	76.61	76.7
rey59	85.64	85.7	85.68	85.7	85.73	85.7	85.8	86	84	83.9	84	84	83.8	83.89	83.83	83.9	83.9	83.9	83.55	82.8	82.76	83.04	82.8	82.5	82.7	82.8	82.8	82.6	82.81	88.9	88.9	88.9	88.3	88.7	88.51	88.5	89	88.8	88.8	88.7	99.3	99.32	99.42	99.16	99.27	99.61	99.3	98.9	99.3	99.8	99.7	99.67	99.61		99.85	99.66	99.36	99.6	99.2	95.3	95.1	95.3	83.3	83.3	83.3	83.3	83.2	83.3	83.3	83.3	83	83.4	83.4	83.2	83.3	83.2	83.3	83.2	83.1	83.2	83.2	83.2	83.2	83.1	83.2	83.2	83.3	83.2	83.2	83	81.45	81.6	81.9	81.8	85.9	84.7	84.7	81.26	83	70	80.3	80.3	80.3	80.2	75.1	75	75	65.6	65.1	75.9	76.1	68.1	68.2	76.64	76.6
rey18	85.66	85.7	85.71	85.72	85.75	85.7	85.8	86	84	83.9	84	84	83.8	83.9	83.83	83.91	83.9	83.9	83.56	82.8	82.75	83.04	82.8	82.5	82.7	82.8	82.8	82.5	82.81	88.9	88.9	88.9	88.3	88.7	88.48	88.9	88.9	88.7	88.8	88.7	99.3	99.33	99.42	99.17	99.28	99.6	99.3	98.9	99.3	99.8	99.7	99.67	99.59	99.85		99.66	99.36	99.6	99.2	95.3	95.2	95.3	83.3	83.3	83.3	83.3	83.2	83.3	83.3	83.4	83	83.4	83.4	83.2	83.3	83.3	83.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83	81.45	81.6	81.9	81.7	85.9	84.7	84.7	81.27	83	69	80.3	80.3	80.3	80.2	75.1	75	75	65.6	65.1	75.9	76.1	68.1	68.2	76.66	76.7
ro84	85.57	85.7	85.75	85.76	85.79	85.7	85.8	85.9	84	83.9	83.9	84	83.8	83.87	83.8	83.88	83.9	83.7	83.5	82.8	82.72	83.04	82.8	82.5	82.7	82.8	82.9	82.6	82.84	88.8	88.9	88.8	88.3	88.7	88.54	88.8	89	88.8	88.7	88.7	99.4	99.49	99.23	99.01	99.39	99.41	99.1	99	99.47	99.6	100	99.49	99.73	99.66	99.66		99.7	99.4	99.3	95.2	95.2	95.2	83.2	83.2	83.2	83.2	83.1	83.2	83.2	83.2	82.9	83.3	83.3	83	83.2	83.1	83.2	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.1	82.9	81.37	81.5	81.8	81.7	85.9	84.6	84.6	81.21	83	69	80.3	80.3	80.3	80.1	75	75	75	65.6	65.1	75.8	76	68	68.2	76.6	76.6
rrh30	85.41	85.5	85.58	85.59	85.62	85.6	85.6	85.6	83.8	83.7	83.7	83.8	83.6	83.66	83.6	83.68	83.7	83.5	83.28	82.6	82.52	82.85	82.6	82.3	82.5	82.6	82.7	82.4	82.64	88.5	88.7	88.5	88	88.4	88.26	88.3	88.7	88.5	88.4	88.5	99.1	99.19	98.93	98.71	99.09	99.11	98.8	98.7	99.16	99.3	99.7	99.19	99.43	99.15	99.36	99.7		99.1	99	94.9	94.9	94.9	83	83	83	83	82.9	83	83	83	82.7	83	83.1	82.8	83	82.9	83	82.9	82.9	82.9	83	82.9	82.9	82.9	82.9	82.9	83	82.9	82.9	82.7	81.14	81.3	81.6	81.4	85.7	84.4	84.4	80.99	83	69	80.1	80.1	80.1	79.9	74.8	75	75	65.4	65	75.7	75.8	67.9	68	76.43	76.4
r107	85.59	85.6	85.64	85.66	85.69	85.6	85.8	85.9	84	83.9	83.9	83.9	83.8	83.87	83.81	83.89	83.9	83.8	83.45	82.8	82.67	83.01	82.8	82.5	82.6	82.8	82.8	82.5	82.8	88.8	88.8	88.8	88.2	88.6	88.43	88.8	88.9	88.7	88.7	88.6	99.1	99.26	99.25	98.98	99.09	99.36	99.2	99	99.24	99.7	99.4	99.43	99.54	99.61	99.58	99.42	99.12		98.9	95.1	94.9	95.1	83.3	83.3	83.3	83.3	83.2	83.3	83.3	83.3	83	83.3	83.3	83.1	83.2	83.2	83.2	83.1	83.1	83.2	83.2	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	82.9	81.39	81.5	81.8	81.7	86	84.6	84.6	81.19	83	69	80.3	80.3	80.3	80.1	75.1	75	75	65.5	65.1	75.9	76	68.1	68.2	76.59	76.7
r40	85.47	85.6	85.64	85.66	85.71	85.6	85.7	85.8	83.9	83.8	83.8	83.9	83.8	83.81	83.73	83.82	83.9	83.6	83.39	82.8	82.67	82.57	82.7	82.5	82.6	82.7	82.8	82.6	82.76	88.6	88.7	88.5	88	88.4	88.25	88.6	88.7	88.6	88.4	88.5	98.9	99	98.78	98.53	98.94	98.96	98.6	98.5	98.97	99.1	99.3	99.01	99.22	99.15	99.16	99.33	99.03	98.9		94.9	94.9	94.9	82.9	83	83	83	82.9	83	83	83	81.9	83.1	83.2	82.9	83	83	83	82.9	82.9	82.9	83	82.9	82.9	82.9	82.9	82.9	83	83	83	82.7	81.25	81.3	81.7	81.6	85.7	84.4	84.4	81.02	83	69	80.2	80.2	80.1	80	74.9	75	75	65.5	65.1	75.8	75.6	67.6	67.8	76.42	76.6
rrh92	85.45	85.5	85.52	85.52	85.57	85.5	85.6	85.5	83.6	83.5	83.6	83.6	83.5	83.53	83.49	83.56	83.6	83.5	83.15	82.6	82.53	82.86	82.6	82.3	82.5	82.7	82.6	82.4	82.65	88.4	88.4	88.4	87.8	88.1	87.92	88.4	88.4	88.2	88.2	88.1	95	95.09	95.13	94.86	95.07	95.29	95.1	94.7	95.07	95.2	95.2	95.22	95.12	95.28	95.31	95.16	94.88	95.1	94.9		99.6	99.9	82.9	83	82.9	83	82.9	83	83	82.9	82.5	82.9	82.9	82.7	82.8	82.8	82.8	82.6	82.6	82.8	82.7	82.6	82.6	82.6	82.8	82.7	82.7	82.8	82.7	82.5	81.08	81.2	81.4	81.4	85.7	84.5	84.3	80.94	83	69	80.1	79.9	79.9	79.8	74.8	75	75	65.4	65	75.7	75.9	67.9	68	76.44	76.4
r113	85.33	85.5	85.51	85.51	85.55	85.5	85.5	85.5	83.6	83.5	83.6	83.6	83.5	83.53	83.49	83.57	83.6	83.5	83.15	82.6	82.55	82.9	82.6	82.4	82.5	82.7	82.7	82.4	82.67	88.3	88.4	88.2	87.8	88.2	87.96	88.3	88.4	88.2	88.1	88.2	95	95.08	94.98	94.7	95.08	95.14	94.9	94.7	95.07	95.1	95.2	95.08	95.13	95.14	95.18	95.17	94.9	94.9	94.9	99.6		99.6	82.8	82.9	82.8	82.9	82.8	82.9	82.9	82.8	82.4	82.8	82.7	82.6	82.6	82.7	82.7	82.5	82.5	82.6	82.6	82.5	82.5	82.5	82.6	82.5	82.6	82.6	82.5	82.4	80.98	81.1	81.3	81.3	85.6	84.4	84.3	80.86	82	69	80	79.9	79.8	79.8	74.8	75	75	65.4	65	75.6	75.8	67.8	68	76.38	76.4
r108	85.41	85.5	85.53	85.51	85.54	85.5	85.6	85.6	83.6	83.5	83.6	83.6	83.5	83.56	83.51	83.58	83.6	83.6	83.15	82.7	82.53	82.86	82.5	82.3	82.5	82.7	82.6	82.4	82.64	88.3	88.4	88.3	87.8	88.1	87.9	88.4	88.3	88.2	88.2	88.1	95	95.08	95.12	94.85	95.06	95.28	95	94.7	95.07	95.2	95.2	95.22	95.11	95.27	95.3	95.15	94.88	95.1	94.9	99.9	99.6		83	83	83	83	82.9	83	83	82.9	82.5	82.9	82.8	82.7	82.7	82.8	82.8	82.6	82.6	82.7	82.6	82.6	82.6	82.6	82.7	82.6	82.7	82.7	82.6	82.4	81.07	81.1	81.4	81.4	85.7	84.5	84.4	80.91	83	69	80.1	79.9	79.9	79.9	74.8	75	75	65.4	65	75.7	75.9	67.9	68	76.44	76.4
rf61	82.75	82.8	82.81	82.82	82.84	82.8	82.9	82.8	81.6	81.5	81.6	81.6	81.5	81.56	81.56	81.54	81.6	81.4	81.36	80.9	80.85	81.22	81	80.6	80.9	81	80.9	80.7	80.89	84	84	84	83.4	83.7	83.57	84	84.1	84	83.8	83.9	83.3	83.37	83.35	83.11	83.26	83.36	83.4	83	83.25	83.3	83.2	83.53	83.24	83.32	83.34	83.21	83	83.3	82.9	82.9	82.8	83		99	99.1	99.1	99.1	99.1	99	90	89.4	89.9	89.9	90	90	90.1	90.1	90	89.9	89.9	90	89.9	89.9	89.9	90	90	90	90	90	89.6	82.81	82.9	83.3	83.2	83.5	82.6	82.8	80.65	81	69	79.4	79.9	79.7	79.5	74.7	75	75	65.4	64.9	75.7	75.9	67.7	67.9	76.22	75.2
rf69	82.92	83	83	83	83.02	83	83.1	82.8	81.7	81.6	81.7	81.7	81.6	81.65	81.66	81.61	81.7	81.5	81.33	81	80.87	81.27	81	80.7	80.9	81.1	81	80.8	81	84.1	84.1	84.1	83.6	83.8	83.66	84.1	84.2	84	84	84	83.3	83.27	83.34	83.07	83.22	83.39	83.3	83	83.27	83.3	83.2	83.48	83.23	83.3	83.29	83.21	82.99	83.3	83	83	82.9	83	99		99.9	99.9	99.8	99.9	99.8	90	89.3	90	89.9	89.9	90.1	90	90	90	89.9	90	90.1	90	90	90	90	90.1	90.1	90.1	90.1	89.7	82.82	83	83.3	83.2	83.6	82.7	82.8	80.61	81	69	79.5	79.9	79.7	79.5	74.6	75	75	65.4	65	75.8	75.9	67.8	68	76.34	75.2
rf70	82.9	83	82.98	82.98	82.99	83	83	82.8	81.7	81.6	81.7	81.7	81.6	81.62	81.63	81.59	81.7	81.5	81.3	80.9	80.85	81.25	81	80.7	80.9	81	81	80.8	80.98	84	84.1	84	83.5	83.7	83.61	84	84.1	84	83.9	83.9	83.2	83.25	83.31	83.02	83.19	83.37	83.3	83	83.25	83.3	83.2	83.45	83.2	83.28	83.25	83.18	82.96	83.3	83	82.9	82.8	83	99.1	99.9		99.9	99.8	99.9	99.9	90	89.3	89.9	89.9	89.9	90	90	90	90	90	90	90.1	90	90	90	90	90	90.1	90.1	90.1	89.7	82.81	83	83.3	83.2	83.5	82.7	82.8	80.61	81	69	79.5	79.9	79.7	79.5	74.6	75	75	65.4	65	75.8	75.9	67.8	68	76.31	75.2
rf64	82.91	83	82.98	82.99	83.02	83	83.1	82.9	81.7	81.6	81.6	81.7	81.6	81.64	81.65	81.6	81.7	81.5	81.34	80.9	80.87	81.26	81	80.7	80.9	81.1	81	80.8	80.99	84.1	84.1	84	83.6	83.8	83.65	84.1	84.2	84	84	83.9	83.3	83.26	83.33	83.04	83.21	83.38	83.3	83	83.26	83.3	83.2	83.44	83.21	83.29	83.27	83.19	82.97	83.3	83	83	82.9	83	99.1	99.9	99.9		99.8	99.9	99.9	90	89.3	89.9	89.9	89.9	90	90	90	90	89.9	90	90.1	90	90	90	90	90	90.1	90.1	90.1	89.7	82.82	83	83.3	83.2	83.6	82.7	82.8	80.63	81	69	79.5	79.9	79.7	79.5	74.6	75	75	65.4	65	75.8	75.9	67.8	68	76.34	75.2
rf65	82.84	82.9	82.92	82.93	82.89	82.9	83	82.8	81.6	81.5	81.5	81.6	81.5	81.54	81.54	81.52	81.6	81.4	81.23	80.9	80.8	81.18	80.9	80.6	80.8	81	81	80.7	80.9	84	84	84	83.5	83.7	83.53	84	84.1	83.9	83.9	83.8	83.2	83.17	83.24	82.98	83.12	83.29	83.2	82.9	83.17	83.2	83.1	83.39	83.13	83.2	83.19	83.11	82.89	83.2	82.9	82.9	82.8	82.9	99.1	99.8	99.8	99.8		99.8	99.8	89.9	89.2	89.9	89.9	89.9	90	90	90	90	89.9	90	90	89.9	90	89.9	90	90	90	90	90	89.6	82.74	82.9	83.2	83.1	83.5	82.6	82.8	80.57	80	69	79.4	79.8	79.6	79.4	74.5	75	75	65.3	64.9	75.7	75.8	67.8	67.9	76.26	75.1
r35	82.9	83	82.96	82.97	83	83	83.1	82.8	81.7	81.6	81.7	81.7	81.6	81.66	81.65	81.6	81.7	81.6	81.33	81	80.9	81.24	80.9	80.7	80.9	81.1	81	80.8	81.03	84.1	84.1	84.1	83.6	83.8	83.65	84.1	84.2	84	84	83.9	83.3	83.29	83.35	83.07	83.23	83.42	83.3	83	83.3	83.3	83.2	83.48	83.24	83.33	83.3	83.22	83	83.3	83	83	82.9	83	99.1	99.9	99.9	99.9	99.8		99.9	89.9	89.3	89.9	89.9	89.9	90	90	90	90	89.9	90	90.1	90	90	90	90	90	90.1	90	90.1	89.6	82.81	83	83.3	83.2	83.6	82.7	82.8	80.6	81	69	79.4	79.9	79.7	79.5	74.6	75	75	65.4	65	75.8	75.8	67.8	68	76.31	75.2
r36	82.87	83	82.93	82.94	82.97	82.9	83	82.8	81.6	81.6	81.6	81.6	81.6	81.61	81.59	81.59	81.6	81.5	81.33	81	80.87	81.22	80.9	80.7	80.9	81	81	80.8	81.01	84.1	84.1	84	83.6	83.7	83.62	84	84.2	84	84	83.9	83.3	83.29	83.35	83.07	83.23	83.41	83.3	83	83.25	83.3	83.2	83.48	83.24	83.32	83.26	83.22	83	83.3	83	83	82.9	83	99	99.8	99.9	99.9	99.8	99.9		89.9	89.3	89.9	89.9	89.9	90	90	90	90	89.9	90	90.1	90	90	90	90	90	90.1	90.1	90.1	89.7	82.77	82.9	83.2	83.2	83.6	82.7	82.8	80.62	81	69	79.4	79.9	79.7	79.5	74.6	75	75	65.4	64.9	75.8	75.8	67.8	68	76.35	75.3
rf75	82.38	82.5	82.46	82.45	82.49	82.5	82.5	82.7	81.5	81.4	81.5	81.5	81.4	81.43	81.39	81.43	81.5	81.4	81.04	80.8	80.54	80.95	80.6	80.4	80.6	80.7	80.7	80.5	80.7	83.8	83.8	83.8	83.3	83.6	83.45	83.8	83.9	83.8	83.6	83.7	83.3	83.32	83.34	83.09	83.31	83.39	83.3	83	83.25	83.4	83.3	83.45	83.31	83.32	83.38	83.22	83.03	83.3	83	82.9	82.8	82.9	90	90	90	90	89.9	89.9	89.9		97.4	98.6	98.3	97.5	97.6	97.4	97.5	96.9	96.8	96.9	97	96.9	96.9	96.9	96.9	96.9	97	96.9	96.9	96.6	82.59	82.6	83.2	83.3	83.6	82.5	82.6	80.24	80	69	79.3	79.7	79.5	79.3	74.5	75	75	65.1	64.6	75.6	75.9	67.6	67.8	76.1	75.4
r110	82.06	82.1	82.09	82.09	82.07	82.1	82.2	82.4	81.1	80.9	81	81	81.2	81.12	81.12	81.13	81.2	81.1	80.82	80.5	80.07	80.62	80.4	80.3	80.3	80.4	80.4	80.2	80.35	83.6	83.5	83.5	83.2	83.4	83.34	83.4	83.6	83.5	83.6	83.5	83	82.96	83	82.77	82.98	83.04	83.1	82.2	82.92	83.1	83	83.05	82.98	83.04	83.04	82.93	82.72	83	82.3	82.5	82.4	82.5	89.4	89.3	89.3	89.3	89.2	89.3	89.3	97.4		97.5	97.5	96.3	96.3	96.3	96.3	95.5	95.6	95.6	95.6	95.6	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.9	82.43	82.4	82.8	82.8	83.2	82	82.2	79.84	80	69	78.7	79.6	79.4	79.1	74.9	75	75	65.1	64.6	75.6	75.5	67.6	67.9	75.86	75.3
rf72	82.45	82.6	82.51	82.5	82.57	82.5	82.6	82.8	81.6	81.5	81.6	81.5	81.5	81.56	81.53	81.56	81.6	81.5	81.15	80.8	80.62	80.91	80.7	80.4	80.6	80.7	80.7	80.5	80.71	83.9	83.9	83.8	83.3	83.6	83.45	83.8	83.9	83.8	83.7	83.7	83.3	83.3	83.31	83.06	83.28	83.37	83.3	83	83.22	83.4	83.3	83.46	83.29	83.37	83.35	83.25	83.02	83.3	83.1	82.9	82.8	82.9	89.9	90	89.9	89.9	89.9	89.9	89.9	98.6	97.5		99.5	97.2	97.4	97.2	97.3	96.7	96.6	96.7	96.8	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.4	82.59	82.7	83.2	83.3	83.5	82.4	82.6	80.22	80	69	79.1	79.7	79.3	79.2	74.6	75	75	65.1	64.7	75.7	76	67.6	67.8	76.11	75.5
r114	82.41	82.5	82.47	82.47	82.52	82.5	82.6	82.7	81.6	81.5	81.6	81.6	81.5	81.53	81.5	81.52	81.6	81.5	81.1	80.8	80.65	80.92	80.7	80.4	80.6	80.7	80.7	80.4	80.67	83.9	83.9	83.9	83.4	83.6	83.55	83.9	84	83.8	83.7	83.8	83.3	83.34	83.35	83.1	83.35	83.41	83.4	83	83.28	83.4	83.3	83.48	83.37	83.39	83.4	83.28	83.1	83.3	83.2	82.9	82.7	82.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	98.3	97.5	99.5		97	97.2	97	97	96.5	96.4	96.5	96.6	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.3	82.73	82.8	83.1	83.2	83.5	82.4	82.6	80.19	80	69	79.1	79.7	79.4	79.2	74.7	75	75	65.2	64.7	75.7	76	67.6	67.8	76.12	75.5
rf63	82.27	82.3	82.32	82.33	82.35	82.3	82.4	82.6	81.3	81.2	81.3	81.3	81.2	81.26	81.23	81.24	81.3	81.3	80.86	80.5	80.41	80.62	80.5	80.2	80.3	80.5	80.5	80.2	80.46	83.7	83.6	83.7	83.1	83.3	83.21	83.6	83.7	83.5	83.4	83.5	83.1	83.13	83.14	82.89	83.13	83.2	83.2	82.8	83.03	83.2	83.1	83.29	83.1	83.15	83.16	83.04	82.83	83.1	82.9	82.7	82.6	82.7	90	89.9	89.9	89.9	89.9	89.9	89.9	97.5	96.3	97.2	97		99.7	99.5	99.5	96.9	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.6	82.41	82.5	83.1	83.1	83.4	82.3	82.4	80.11	80	69	79.1	79.6	79.4	79.2	74.6	75	75	65	64.6	75.6	75.9	67.5	67.7	76.08	75.3
rf73	82.38	82.4	82.45	82.46	82.43	82.4	82.5	82.7	81.4	81.3	81.4	81.4	81.4	81.37	81.34	81.38	81.4	81.4	80.94	80.6	80.48	80.7	80.6	80.2	80.4	80.6	80.6	80.2	80.53	83.7	83.7	83.7	83.2	83.4	83.31	83.7	83.7	83.6	83.5	83.6	83.2	83.23	83.24	82.99	83.26	83.3	83.3	82.9	83.15	83.3	83.2	83.36	83.23	83.27	83.28	83.17	82.97	83.2	83	82.8	82.6	82.7	90	90.1	90	90	90	90	90	97.6	96.3	97.4	97.2	99.7		99.4	99.4	97	96.9	97	97.1	97.1	97	97	97	97.1	97.1	97.1	97.1	96.7	82.46	82.5	83.2	83.3	83.5	82.4	82.5	80.18	80	69	79.3	79.7	79.4	79.3	74.6	75	75	65	64.6	75.6	76	67.6	67.8	76.15	75.4
rf74	82.36	82.4	82.44	82.42	82.46	82.4	82.5	82.7	81.5	81.4	81.4	81.4	81.4	81.41	81.38	81.42	81.5	81.4	80.96	80.7	80.58	80.84	80.5	80.3	80.5	80.6	80.6	80.3	80.61	83.8	83.8	83.8	83.2	83.4	83.31	83.7	83.8	83.7	83.5	83.6	83.2	83.2	83.22	82.96	83.22	83.27	83.3	82.9	83.1	83.3	83.2	83.41	83.2	83.24	83.24	83.14	82.93	83.2	82.7	82.8	82.7	82.7	90.1	90	90	90	90	90	90	97.4	96.3	97.2	97	99.5	99.4		99.6	96.9	96.8	96.9	97	96.9	96.9	96.9	96.9	97	97	97	97	96.6	82.56	82.6	83.3	83.3	83.5	82.4	82.5	80.22	80	69	79.2	79.7	79.4	79.4	74.7	75	75	65	64.6	75.6	76	67.7	67.8	76.1	75.3
rf81	82.37	82.5	82.46	82.43	82.47	82.5	82.5	82.7	81.5	81.4	81.5	81.5	81.4	81.41	81.38	81.42	81.5	81.4	81.04	80.7	80.59	80.87	80.6	80.4	80.6	80.7	80.7	80.4	80.67	83.8	83.8	83.8	83.2	83.4	83.33	83.7	83.8	83.6	83.5	83.6	83.2	83.21	83.24	82.97	83.24	83.28	83.3	82.9	83.13	83.3	83.2	83.4	83.22	83.26	83.26	83.16	82.95	83.2	83	82.8	82.7	82.8	90.1	90	90	90	90	90	90	97.5	96.3	97.3	97	99.5	99.4	99.6		96.9	96.8	96.9	97	96.9	96.9	96.9	96.9	97	97	97	97	96.6	82.57	82.6	83.3	83.3	83.5	82.5	82.5	80.22	80	69	79.2	79.7	79.5	79.4	74.7	75	75	65	64.6	75.6	76	67.7	67.8	76.14	75.3
rf62	82.3	82.4	82.36	82.35	82.37	82.3	82.4	82.7	81.4	81.3	81.3	81.3	81.3	81.29	81.26	81.28	81.4	81.3	80.88	80.6	80.01	80.74	80.5	80.2	80.4	80.6	80.5	80.3	80.54	83.8	83.8	83.8	83.2	83.5	83.22	83.8	83.8	83.7	83.5	83.6	83.1	83.13	83.14	82.68	83.14	83.2	83.2	82.8	83.05	83.2	83.1	83.31	83.16	83.16	83.18	83.09	82.9	83.1	82.7	82.6	82.5	82.6	90	90	90	90	90	90	90	96.9	95.5	96.7	96.5	96.9	97	96.9	96.9		99.5	99.6	99.7	99.6	99.7	99.7	99.6	99.7	99.7	99.7	99.7	96.1	82.45	82.5	83.2	83.3	83.4	82.4	82.5	80.17	80	69	79.3	79.7	79.4	79.3	74.5	75	75	65.1	64.7	75.6	76	67.5	67.8	76.08	75.4
rf66	82.31	82.4	82.38	82.36	82.39	82.4	82.4	82.7	81.3	81.2	81.3	81.3	81.3	81.27	81.29	81.25	81.3	81.3	80.91	80.6	80.47	80.74	80.5	80.2	80.4	80.6	80.5	80.3	80.53	83.8	83.8	83.7	83.3	83.5	83.44	83.7	83.7	83.7	83.6	83.6	83.1	83.1	83.12	82.87	83.12	83.17	83.2	82.8	83.02	83.2	83.1	83.29	83.13	83.14	83.16	83.05	82.86	83.1	82.7	82.6	82.5	82.6	89.9	89.9	90	89.9	89.9	89.9	89.9	96.8	95.6	96.6	96.4	96.7	96.9	96.8	96.8	99.5		99.5	99.5	99.5	99.4	99.5	99.5	99.6	99.5	99.5	99.5	95.9	82.42	82.5	83.2	83.3	83.3	82.3	82.5	80.13	80	69	79.2	79.7	79.4	79.3	74.5	75	75	65.1	64.6	75.5	76	67.5	67.8	76.04	75.4
rf76	82.32	82.4	82.38	82.37	82.4	82.4	82.5	82.6	81.4	81.3	81.4	81.3	81.3	81.31	81.28	81.29	81.4	81.3	80.9	80.6	80.54	80.73	80.5	80.2	80.4	80.6	80.5	80.3	80.55	83.8	83.8	83.8	83.2	83.5	83.35	83.8	83.8	83.7	83.6	83.7	83.1	83.17	83.19	82.94	83.17	83.25	83.2	82.9	83.09	83.2	83.1	83.34	83.18	83.2	83.22	83.11	82.9	83.2	82.9	82.8	82.7	82.7	89.9	90	90	90	90	90	90	96.9	95.6	96.7	96.5	96.9	97	96.9	96.9	99.6	99.5		99.7	99.6	99.6	99.7	100	99.7	99.7	99.7	99.6	96.1	82.38	82.5	83.2	83.3	83.4	82.3	82.5	80.13	80	69	79.2	79.7	79.4	79.3	74.5	75	75	65.1	64.6	75.5	76	67.5	67.9	76.06	75.4
rf100	82.4	82.4	82.46	82.47	82.44	82.5	82.5	82.8	81.4	81.3	81.4	81.4	81.3	81.35	81.32	81.33	81.4	81.4	80.93	80.7	80.51	80.79	80.5	80.3	80.5	80.6	80.6	80.3	80.58	83.9	83.8	83.8	83.3	83.5	83.45	83.8	83.8	83.7	83.6	83.6	83.2	83.19	83.21	82.96	83.21	83.27	83.2	82.9	83.12	83.3	83.2	83.37	83.23	83.24	83.24	83.14	82.95	83.2	82.7	82.7	82.6	82.6	90	90.1	90.1	90.1	90	90.1	90	97	95.6	96.8	96.6	96.9	97.1	97	97	99.7	99.5	99.7		99.7	99.6	99.7	99.7	99.7	99.7	99.7	99.6	96.1	82.45	82.5	83.3	83.4	83.4	82.4	82.5	80.15	80	69	79.3	79.7	79.5	79.3	74.5	75	75	65.1	64.7	75.6	76	67.6	67.9	76.08	75.4
rf67	82.3	82.4	82.35	82.34	82.37	82.3	82.4	82.6	81.3	81.2	81.3	81.3	81.3	81.27	81.25	81.26	81.3	81.3	80.87	80.6	80.44	80.72	80.5	80.2	80.4	80.6	80.5	80.3	80.53	83.8	83.8	83.8	83.3	83.5	83.42	83.8	83.8	83.7	83.5	83.6	83.1	83.14	83.16	82.91	83.16	83.21	83.2	82.8	83.05	83.2	83.1	83.32	83.16	83.17	83.19	83.07	82.88	83.1	82.7	82.6	82.5	82.6	89.9	90	90	90	89.9	90	90	96.9	95.6	96.7	96.5	96.9	97.1	96.9	96.9	99.6	99.5	99.6	99.7		99.7	99.6	99.6	99.7	99.6	99.7	99.7	96.1	82.4	82.5	83.2	83.3	83.4	82.3	82.5	80.12	80	69	79.2	79.7	79.4	79.3	74.5	75	75	65.1	64.6	75.5	76	67.6	67.9	76.04	75.4
rf68	82.3	82.4	82.35	82.33	82.36	82.3	82.4	82.6	81.3	81.2	81.3	81.3	81.2	81.26	81.24	81.25	81.3	81.3	80.88	80.6	80.47	80.73	80.5	80.2	80.4	80.6	80.5	80.3	80.53	83.8	83.8	83.8	83.2	83.5	83.43	83.8	83.8	83.7	83.6	83.6	83.1	83.13	83.15	82.9	83.14	83.2	83.2	82.8	83.05	83.2	83.1	83.31	83.16	83.16	83.19	83.08	82.9	83.1	82.7	82.6	82.5	82.6	89.9	90	90	90	90	90	90	96.9	95.5	96.7	96.5	96.9	97	96.9	96.9	99.7	99.4	99.6	99.6	99.7		99.7	99.6	99.6	99.6	99.7	99.9	96.1	82.43	82.5	83.2	83.3	83.4	82.3	82.5	80.13	80	69	79.2	79.6	79.4	79.3	74.5	75	75	65.1	64.7	75.6	76	67.6	67.9	76.05	75.4
rf77	82.32	82.4	82.38	82.37	82.4	82.4	82.5	82.7	81.3	81.2	81.3	81.3	81.3	81.31	81.27	81.28	81.4	81.3	80.89	80.6	80.05	80.74	80.5	80.3	80.4	80.6	80.6	80.3	80.57	83.8	83.8	83.8	83.2	83.5	83.21	83.8	83.8	83.7	83.5	83.6	83.1	83.12	83.13	82.68	83.13	83.18	83.2	82.8	83.03	83.2	83.1	83.28	83.13	83.14	83.16	83.05	82.87	83.1	82.7	82.6	82.5	82.6	89.9	90	90	90	89.9	90	90	96.9	95.5	96.7	96.5	96.9	97	96.9	96.9	99.7	99.5	99.7	99.7	99.6	99.7		99.7	99.8	99.6	99.7	99.7	96.1	82.4	82.5	83.2	83.3	83.4	82.3	82.5	80.14	80	69	79.2	79.7	79.4	79.3	74.5	75	75	65.1	64.6	75.5	76	67.6	67.9	76.06	75.4
rf78	82.32	82.4	82.38	82.37	82.4	82.4	82.5	82.6	81.4	81.3	81.4	81.3	81.3	81.3	81.27	81.28	81.4	81.3	80.9	80.6	80.54	80.73	80.5	80.2	80.4	80.6	80.5	80.3	80.55	83.8	83.8	83.8	83.2	83.5	83.33	83.8	83.8	83.7	83.5	83.7	83.1	83.17	83.19	82.93	83.17	83.24	83.2	82.9	83.09	83.2	83.1	83.34	83.18	83.2	83.21	83.11	82.9	83.1	82.9	82.8	82.6	82.7	90	90	90	90	90	90	90	96.9	95.5	96.7	96.5	96.9	97	96.9	96.9	99.6	99.5	100	99.7	99.6	99.6	99.7		99.7	99.7	99.7	99.6	96.1	82.39	82.5	83.2	83.3	83.4	82.4	82.5	80.14	80	69	79.2	79.7	79.4	79.3	74.5	75	75	65.1	64.7	75.6	76	67.5	67.9	76.07	75.4
rf79	82.38	82.4	82.44	82.43	82.46	82.4	82.5	82.7	81.4	81.3	81.4	81.3	81.3	81.3	81.28	81.29	81.4	81.3	80.91	80.7	80.51	80.77	80.5	80.3	80.5	80.6	80.6	80.3	80.59	83.9	83.8	83.8	83.3	83.5	83.44	83.8	83.8	83.8	83.6	83.6	83.1	83.15	83.17	82.91	83.17	83.22	83.2	82.8	83.06	83.2	83.1	83.32	83.17	83.17	83.19	83.09	82.9	83.1	82.7	82.7	82.5	82.6	90	90	90	90	90	90	90	96.9	95.6	96.7	96.6	96.9	97.1	97	97	99.7	99.6	99.7	99.7	99.7	99.6	99.8	99.7		99.7	99.8	99.7	96.1	82.44	82.6	83.2	83.4	83.4	82.4	82.5	80.17	80	69	79.3	79.7	79.4	79.4	74.5	75	75	65.1	64.7	75.5	76	67.6	67.9	76.1	75.4
rf80	82.38	82.4	82.44	82.44	82.42	82.4	82.5	82.8	81.4	81.3	81.4	81.4	81.3	81.36	81.31	81.34	81.4	81.4	80.93	80.7	80.14	80.79	80.5	80.3	80.5	80.6	80.6	80.3	80.58	83.8	83.8	83.8	83.3	83.5	83.22	83.8	83.8	83.7	83.6	83.6	83.2	83.2	83.23	82.76	83.21	83.28	83.2	82.9	83.12	83.3	83.2	83.39	83.23	83.26	83.27	83.16	82.95	83.2	83	82.7	82.6	82.7	90	90.1	90.1	90.1	90	90.1	90.1	97	95.6	96.8	96.6	96.9	97.1	97	97	99.7	99.5	99.7	99.7	99.6	99.6	99.6	99.7	99.7		99.7	99.6	96.1	82.4	82.5	83.3	83.4	83.4	82.4	82.5	80.18	80	69	79.3	79.7	79.4	79.3	74.5	75	75	65.1	64.7	75.6	76	67.6	67.9	76.09	75.5
r39	82.39	82.5	82.45	82.43	82.48	82.4	82.5	82.8	81.4	81.3	81.4	81.4	81.4	81.38	81.35	81.37	81.4	81.4	80.98	80.7	80.63	80.84	80.6	80.3	80.5	80.7	80.6	80.4	80.64	83.9	83.9	83.8	83.3	83.6	83.46	83.8	83.9	83.8	83.6	83.6	83.2	83.19	83.22	82.96	83.2	83.27	83.2	82.9	83.11	83.3	83.2	83.37	83.22	83.23	83.25	83.15	82.94	83.2	83	82.8	82.6	82.7	90	90.1	90.1	90.1	90	90	90.1	96.9	95.6	96.8	96.6	96.9	97.1	97	97	99.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.7		99.8	96.1	82.48	82.6	83.3	83.4	83.5	82.4	82.6	80.19	80	69	79.3	79.8	79.5	79.4	74.5	75	75	65.1	64.7	75.6	76	67.6	67.9	76.11	75.5
r112	82.35	82.4	82.41	82.4	82.38	82.4	82.5	82.7	81.3	81.2	81.3	81.3	81.3	81.28	81.26	81.27	81.3	81.3	80.87	80.6	80.5	80.75	80.5	80.3	80.4	80.6	80.5	80.3	80.55	83.8	83.8	83.8	83.2	83.5	83.41	83.8	83.8	83.7	83.5	83.6	83.2	83.21	83.22	82.98	83.2	83.28	83.2	82.9	83.12	83.3	83.2	83.36	83.2	83.23	83.25	83.14	82.94	83.2	83	82.7	82.5	82.6	90	90.1	90.1	90.1	90	90.1	90.1	96.9	95.6	96.8	96.6	96.9	97.1	97	97	99.7	99.5	99.6	99.6	99.7	99.9	99.7	99.6	99.7	99.6	99.8		96.2	82.39	82.5	83.3	83.3	83.4	82.4	82.5	80.11	80	69	79.2	79.7	79.4	79.3	74.5	75	75	65.1	64.6	75.6	76	67.6	67.9	76.06	75.4
r45	82.16	82.3	82.23	82.2	82.24	82.2	82.3	82.5	81.2	81.1	81.2	81.2	81.1	81.11	81.07	81.12	81.2	81.1	80.68	80.4	80.3	80.63	80.3	80.1	80.3	80.4	80.4	80.2	80.37	83.6	83.6	83.5	83.1	83.3	83.15	83.6	83.6	83.4	83.4	83.3	82.9	82.93	82.95	82.7	82.94	83	83	82.6	82.86	83	82.9	83.15	82.94	82.99	83.03	82.87	82.66	82.9	82.7	82.5	82.4	82.4	89.6	89.7	89.7	89.7	89.6	89.6	89.6	96.6	95.9	96.4	96.3	96.6	96.7	96.6	96.6	96.1	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2		82.44	82.5	82.9	83	83.2	82.1	82.3	79.97	80	69	78.9	79.5	79.2	78.9	74.6	74	75	65	64.5	75.5	75.9	67.4	67.8	75.95	75.4
rc54	81.25	81.3	81.34	81.29	81.3	81.3	81.4	81.3	80.8	80.7	80.8	80.8	80.8	80.81	80.81	80.79	80.9	80.8	80.41	80.3	80.25	80.5	80.3	80.1	80.2	80.3	80.3	80.1	80.3	82.1	82.2	82.1	81.7	82	81.79	82.2	82.2	82	82	82	81.4	81.39	81.46	81.2	81.4	81.48	81.6	81.2	81.34	81.4	81.4	81.62	81.36	81.46	81.45	81.37	81.14	81.4	81.3	81.1	81	81.1	82.8	82.8	82.8	82.8	82.7	82.8	82.8	82.6	82.4	82.6	82.7	82.4	82.5	82.6	82.6	82.5	82.4	82.4	82.5	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.4	82.4		97.9	90.1	89.6	82.2	81.3	81.5	79.79	80	69	78.7	79.2	78.9	78.8	75.1	75	75	65.2	64.7	76	75.9	67.6	67.9	75.72	74.8
rkr83	81.36	81.4	81.45	81.4	81.39	81.4	81.5	81.4	81	80.9	80.9	80.9	80.9	80.91	80.92	80.91	81	80.8	80.51	80.3	80.33	80.57	80.3	80.1	80.2	80.4	80.4	80.1	80.35	82.3	82.3	82.2	81.9	82.1	81.96	82.4	82.3	82.2	82.2	82.1	81.5	81.53	81.61	81.34	81.55	81.63	81.7	81.4	81.5	81.5	81.5	81.74	81.5	81.58	81.6	81.5	81.26	81.5	81.3	81.2	81.1	81.1	82.9	83	83	83	82.9	83	82.9	82.6	82.4	82.7	82.8	82.5	82.6	82.6	82.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.5	82.6	82.5	82.5	97.93		90.2	89.7	82.1	81.4	81.5	79.86	80	69	78.8	79.2	79.1	79.1	75.2	75	75	65.1	64.7	76.1	76.1	67.7	67.9	75.76	74.8
r94	81.29	81.4	81.36	81.34	81.35	81.4	81.4	81.4	80.8	80.7	80.7	80.7	80.6	80.6	80.63	80.6	80.7	80.5	80.31	80.1	80.04	80.22	80	79.8	79.9	80.1	80	79.8	80.06	82.4	82.4	82.4	82	82.2	82.09	82.5	82.4	82.3	82.3	82.2	81.9	81.8	81.9	81.63	81.83	81.9	81.9	81.6	81.77	81.8	81.8	82.02	81.78	81.85	81.87	81.77	81.55	81.8	81.7	81.4	81.3	81.4	83.3	83.3	83.3	83.3	83.2	83.3	83.2	83.2	82.8	83.2	83.1	83.1	83.2	83.3	83.3	83.2	83.2	83.2	83.3	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	82.9	90.07	90.2		94.1	82.1	81.3	81.5	79.72	80	69	78.8	79	79	78.8	75	75	75	64.9	64.5	76	75.9	67.4	67.5	75.79	74.5
r109	81.15	81.2	81.24	81.2	81.23	81.2	81.3	81.4	80.6	80.4	80.5	80.5	80.5	80.45	80.5	80.45	80.5	80.4	80.16	79.9	79.87	80	79.9	79.7	79.8	80	79.9	79.6	79.92	82.3	82.4	82.3	81.9	82.2	81.99	82.4	82.4	82.2	82.2	82.2	81.7	81.68	81.76	81.49	81.69	81.77	81.7	81.4	81.63	81.7	81.7	81.88	81.63	81.75	81.73	81.65	81.41	81.7	81.5	81.4	81.3	81.4	83.2	83.2	83.2	83.2	83.1	83.2	83.2	83.3	82.8	83.3	83.2	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.3	83	89.58	89.7	94.1		82.1	81.1	81.4	79.71	80	69	78.6	79	78.7	78.7	74.9	75	75	65	64.6	75.7	75.8	67.3	67.3	75.76	74.5
r95	86.52	86.6	86.6	86.62	86.66	86.6	86.7	86.8	84.4	84.3	84.4	84.4	84.2	84.27	84.23	84.3	84.3	84.2	84.07	83	82.89	83.24	83	82.7	82.9	83	83	82.7	83.03	86.9	86.9	86.9	86.4	86.6	86.56	86.9	87	86.8	86.7	86.7	85.8	85.89	85.88	85.65	85.87	86.03	86	85.6	85.97	86.1	85.9	86.02	85.96	85.91	85.93	85.86	85.65	86	85.7	85.7	85.6	85.7	83.5	83.6	83.5	83.6	83.5	83.6	83.6	83.6	83.2	83.5	83.5	83.4	83.5	83.5	83.5	83.4	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.4	83.2	82.18	82.1	82.1	82.1		88.8	88.5	82.17	82	70	80.8	81	80.8	80.9	75.5	76	76	65.5	65.1	76.1	76.5	68.3	68.5	77.15	76.9
r106	85.63	85.7	85.73	85.75	85.8	85.7	85.8	85.8	83.9	83.8	83.9	83.9	83.8	83.8	83.77	83.81	83.8	83.8	83.88	83	83.01	83.17	83	82.7	82.9	83	83	82.8	83	85.4	85.4	85.4	84.9	85.2	85.04	85.5	85.4	85.3	85.3	85.3	84.8	84.66	84.81	84.58	84.78	84.75	84.7	84.4	84.63	84.8	84.7	84.85	84.67	84.69	84.7	84.63	84.42	84.6	84.4	84.5	84.4	84.5	82.6	82.7	82.7	82.7	82.6	82.7	82.7	82.5	82	82.4	82.4	82.3	82.4	82.4	82.5	82.4	82.3	82.4	82.4	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.1	81.26	81.4	81.3	81.1	88.8		95.3	81.63	82	70	80.9	80.9	80.7	80.8	75.5	75	75	65.8	65.4	75.8	76.2	68.1	68.6	77.06	76.5
rt46	85.79	85.9	85.87	85.92	85.97	86	86	85.8	84.2	84.1	84.2	84.2	84	84.04	84.02	84.05	84.1	84	84.19	83.2	83.23	83.53	83.2	83	83.2	83.3	83.4	83.1	83.3	85.6	85.6	85.5	85.1	85.4	85.24	85.6	85.6	85.5	85.5	85.5	84.8	84.65	84.8	84.54	84.74	84.72	84.6	84.4	84.61	84.7	84.7	84.86	84.64	84.71	84.73	84.63	84.39	84.6	84.4	84.3	84.3	84.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.6	82.2	82.6	82.6	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.5	82.3	81.48	81.5	81.6	81.4	88.5	95.3		81.77	82	70	80.9	80.9	80.9	80.9	75.5	76	76	65.7	65.3	75.8	76.4	68.4	68.6	77	76.6
rk21	81.92	82	82.03	82.01	82.01	82	82.1	81.6	81.4	81.3	81.4	81.4	81.2	81.21	81.21	81.23	81.3	81.1	80.92	80.4	80.3	80.53	80.4	80.1	80.3	80.4	80.4	80.1	80.36	82.2	82.2	82.1	81.7	82	81.82	82.1	82.2	82.1	82	82.1	81.2	81.22	81.23	81	81.19	81.29	81.2	81	81.23	81.3	81.2	81.33	81.23	81.26	81.27	81.21	80.99	81.2	81	80.9	80.9	80.9	80.7	80.6	80.6	80.6	80.6	80.6	80.6	80.2	79.9	80.2	80.2	80.1	80.2	80.2	80.2	80.2	80.1	80.1	80.2	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.1	80	79.79	79.9	79.7	79.7	82.2	81.6	81.8		80	70	81.7	82.1	82	82.1	74.8	75	75	65.1	64.6	75.4	75.7	67.8	68.1	77.67	74.8
rr28	82.44	82.5	82.48	82.53	82.56	82.5	82.6	82.4	82.3	82.2	82.3	82.3	82.2	82.22	82.21	82.23	82.3	82.2	81.95	81.7	81.68	81.97	81.7	81.5	81.6	81.8	81.8	81.5	81.78	84.2	84.2	84.2	83.7	84	83.8	84.1	84.3	84.1	84	84.1	82.7	82.79	82.79	82.54	82.74	82.82	82.8	82.6	82.77	82.9	82.8	82.97	82.81	82.82	82.83	82.74	82.57	82.8	82.3	82.6	82.5	82.6	80.6	80.6	80.5	80.5	80.4	80.5	80.5	80.1	79.9	80.1	80.1	80	80.1	80.2	80.2	80	80	80.1	80.1	80	80	80	80.1	80	80.1	80.1	80	79.9	79.88	80	79.8	79.6	82.2	82	82.3	79.55		69	78.8	78.9	79.1	78.8	74.9	75	75	65.3	64.9	75.4	75.2	68	68.1	75.57	75
rr91	69.63	69.7	69.72	69.68	69.71	69.7	69.7	69.6	70.2	70.1	70.2	70.2	70.1	70.1	70.12	70.09	70.2	70.3	69.84	69.9	69.96	70.1	69.8	69.8	69.8	70	69.9	69.9	69.97	69.8	69.8	69.8	69.8	69.7	69.61	69.5	69.9	69.8	69.7	69.7	69.4	69.4	69.42	69.32	69.45	69.44	69.4	68.8	69.35	69.5	69.5	69.62	69.43	69.51	69.42	69.41	69.23	69.4	68.9	69.3	69.3	69.3	69	68.9	69	69	68.9	68.9	68.9	69.1	68.9	69.1	69.2	69.1	69.1	69.2	69.2	69.1	69.1	69.2	69.2	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69	69.11	69.2	68.9	68.5	70	69.5	69.7	69.59	69		69.3	69.5	69.4	69.6	67.1	67	68	61.4	61.4	67.8	67.7	63.3	63.7	68.29	67.5
na53	80.55	80.7	80.64	80.62	80.69	80.6	80.7	80.5	80.1	80	80.1	80.1	79.9	79.92	79.89	79.95	79.9	79.9	79.52	79.4	79.16	79.69	79.4	79.2	79.4	79.5	79.5	79.3	79.44	80.8	80.8	80.8	80.4	80.6	80.47	80.8	80.8	80.7	80.7	80.7	80.2	80.28	80.26	80.02	80.23	80.35	80.3	80.1	80.26	80.3	80.3	80.48	80.28	80.34	80.33	80.28	80.11	80.3	80.2	80.1	80	80.1	79.4	79.5	79.5	79.5	79.4	79.4	79.4	79.3	78.7	79.3	79.3	79.1	79.3	79.2	79.2	79.3	79.2	79.2	79.3	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.2	79.1	78.66	78.8	78.8	78.6	80.8	80.9	80.9	81.56	79	69		88.2	88.4	88.3	74.2	74	74	65	64.5	74.5	74.7	67.9	68.1	77.29	74.2
nb6	80.77	80.8	80.82	80.8	80.84	80.8	80.9	80.5	80.3	80.2	80.3	80.3	80.2	80.25	80.22	80.25	80.3	80.3	79.86	79.6	79.56	79.79	79.5	79.3	79.5	79.6	79.6	79.4	79.63	81.2	81.2	81.1	80.8	81	80.93	81.2	81.3	81.2	81	81.1	80.2	80.31	80.29	80.05	80.24	80.35	80.3	80	80.22	80.3	80.3	80.51	80.29	80.34	80.33	80.28	80.06	80.3	80.2	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.8	79.9	79.9	79.7	79.6	79.7	79.7	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.6	79.7	79.7	79.7	79.7	79.8	79.7	79.5	79.16	79.2	79	79	81	80.9	80.9	82.13	79	69	88.2		89.4	89.1	74.5	74	74	65	64.6	74.7	74.8	67.9	68.3	77.33	74.3
nc7	80.75	80.8	80.82	80.87	80.86	80.8	80.9	80.8	80.5	80.4	80.4	80.5	80.4	80.37	80.35	80.37	80.4	80.4	79.91	79.5	79.33	79.81	79.5	79.3	79.5	79.6	79.6	79.3	79.61	80.9	80.9	80.9	80.5	80.7	80.52	80.9	80.9	80.8	80.7	80.9	80.2	80.24	80.27	80	80.19	80.36	80.3	80.1	80.22	80.3	80.3	80.5	80.27	80.31	80.28	80.27	80.11	80.3	80.1	79.9	79.8	79.9	79.7	79.7	79.7	79.7	79.6	79.7	79.7	79.4	79.4	79.5	79.5	79.4	79.4	79.4	79.5	79.4	79.4	79.4	79.5	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.4	79.2	78.93	79.1	79	78.7	80.8	80.7	80.9	81.82	79	69	88.4	89.4		90	74.4	74	75	65.2	64.7	74.8	74.8	67.8	68.1	77.33	74.2
nf8	80.69	80.8	80.77	80.79	80.81	80.8	80.8	80.6	80.5	80.4	80.5	80.5	80.4	80.36	80.34	80.37	80.4	80.3	79.87	79.7	79.48	80.01	79.7	79.4	79.6	79.8	79.8	79.5	79.76	81	80.9	81	80.6	80.8	80.61	80.9	80.9	80.9	80.7	80.8	80	80.1	80.08	79.86	80.1	80.15	80.1	79.9	80.04	80.2	80.1	80.37	80.13	80.17	80.16	80.06	79.93	80.1	80	79.8	79.8	79.8	79.5	79.5	79.5	79.5	79.4	79.5	79.5	79.3	79.1	79.4	79.4	79.3	79.3	79.4	79.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.3	79.4	79.3	79.1	78.83	79.1	78.8	78.7	80.9	80.8	80.9	81.9	79	70	88.3	89.1	90		74.4	74	74	65	64.6	74.8	74.8	68	68.3	77.41	74
gb4	75.27	75.4	75.29	75.31	75.35	75.4	75.4	75.1	75.3	75.2	75.3	75.3	75.3	75.36	75.36	75.36	75.4	75.3	74.99	74.9	74.95	75.11	74.7	74.8	74.6	75	74.9	74.8	74.94	75.6	75.6	75.6	75.2	75.4	75.41	75.5	75.7	75.6	75.5	75.5	75.1	75.03	75.14	74.96	75.11	75.08	75.1	74.7	75.01	75.1	75	75.25	75.04	75.05	75.05	74.97	74.83	75.1	74.9	74.8	74.8	74.8	74.7	74.6	74.6	74.6	74.5	74.6	74.6	74.5	74.6	74.6	74.7	74.6	74.6	74.7	74.7	74.5	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	75.1	75.2	75	74.9	75.5	75.5	75.5	74.83	75	67	74	74.5	74.2	74.2		86	88	64.1	63.7	79.9	80	66.9	67.1	72.09	71.7
gp5	75.49	75.5	75.53	75.51	75.55	75.5	75.6	74.9	75.4	75.3	75.4	75.4	75.4	75.38	75.39	75.4	75.4	75.3	74.95	75	75	75.23	74.7	74.8	74.7	75	75	74.9	75	75.7	75.8	75.7	75.4	75.6	75.58	75.8	75.9	75.7	75.7	75.8	75.2	75.07	75.21	75.07	75.15	75.15	75.2	75	75.02	75.1	75	75.36	75.05	75.12	75.14	75.06	74.88	75.1	75	74.9	74.8	74.9	75	75.1	75	75.1	75	75	75.1	74.7	74.8	74.7	74.7	74.6	74.7	74.8	74.8	74.5	74.5	74.7	74.5	74.7	74.7	74.5	74.7	74.5	74.5	74.5	74.7	74.5	75	75.2	74.8	74.7	75.6	75.4	75.5	74.67	75	67	74	74.4	74.2	74.2	86		85	64.4	64.4	79.9	79.5	66.4	66.7	72.19	71.5
g3	75.54	75.6	75.59	75.58	75.63	75.6	75.6	75.4	75.6	75.5	75.6	75.6	75.4	75.39	75.42	75.42	75.4	75.4	75.26	75.2	75.18	75.39	75.2	75	75.1	75.2	75.2	75	75.23	75.8	75.9	75.8	75.5	75.6	75.63	75.7	75.9	75.8	75.7	75.7	75.5	75.4	75.5	75.33	75.5	75.46	75.5	75	75.37	75.5	75.4	75.62	75.42	75.41	75.42	75.38	75.23	75.4	75.3	75.1	75.1	75.1	75.2	75.2	75.1	75.2	75.1	75.2	75.1	74.8	74.7	74.8	74.8	74.8	74.8	74.9	74.9	74.8	74.8	74.8	74.9	74.8	74.9	74.8	74.8	74.9	74.8	74.9	74.8	74.7	75.18	75.2	75.2	75	75.7	75.5	75.7	75.02	75	68	74.2	74.4	74.3	74.2	87.7	85		64.3	63.9	80	80.3	66.7	67.1	72.19	71.6
cd2	65.62	65.7	65.7	65.7	65.68	65.7	65.7	65.4	65.9	65.8	65.9	65.9	65.8	65.78	65.82	65.82	65.8	65.7	65.86	65.7	65.85	65.98	65.8	65.6	65.7	65.8	65.8	66	65.82	65.8	65.7	65.7	65.5	65.7	65.62	65.8	65.8	65.8	65.7	65.8	65.6	65.6	65.58	65.47	65.6	65.61	65.6	65.6	65.52	65.6	65.6	65.82	65.57	65.57	65.56	65.56	65.44	65.5	65.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.3	65.4	65.4	65.1	65.1	65.1	65.1	65	65	65	65	65.1	65.1	65	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65	65.15	65.1	64.9	65	65.5	65.8	65.7	65.06	65	61	65	65	65.2	65	64.1	64	64		99.4	64.5	64.2	60.5	60.6	64.01	63.9
cd1	65.64	65.7	65.72	65.73	65.71	65.7	65.7	65.4	65.9	65.8	65.9	65.9	65.8	65.75	65.79	65.79	65.7	65.7	65.82	65.8	65.86	65.98	65.7	65.6	65.7	65.8	65.8	66	65.83	65.8	65.8	65.8	65.6	65.8	65.63	65.8	65.8	65.8	65.7	65.8	65.6	65.59	65.56	65.46	65.58	65.59	65.6	65.5	65.51	65.6	65.5	65.82	65.56	65.56	65.56	65.55	65.43	65.5	65.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.3	65.4	65.4	65.1	64.5	65.1	65.2	65	65	65	65	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65	65.13	65.1	64.9	65	65.6	65.8	65.7	65.04	65	61	65	65	65.2	65	64.1	64	64	99.4		64.5	64.2	60.5	60.6	64.03	63.9
w115	75.85	75.9	75.91	75.9	75.93	75.9	76	75.9	75.7	75.6	75.7	75.7	75.6	75.62	75.57	75.61	75.7	75.6	75.55	75.6	75.52	75.78	75.5	75.4	75.5	75.6	75.6	75.4	75.62	76.3	76.4	76.3	76	76.2	76.12	76.4	76.4	76.3	76.2	76.4	75.9	75.85	75.94	75.78	75.92	75.91	76	75.7	75.78	75.9	75.9	76.08	75.85	75.91	75.9	75.81	75.66	75.9	75.8	75.7	75.6	75.7	75.7	75.8	75.8	75.8	75.7	75.8	75.8	75.6	75.6	75.7	75.7	75.6	75.6	75.6	75.6	75.6	75.5	75.5	75.6	75.5	75.6	75.5	75.6	75.5	75.6	75.6	75.6	75.5	76.02	76.1	76	75.7	76.1	75.8	75.8	75.36	75	68	74.5	74.7	74.8	74.8	79.9	80	80	64.5	64.1		81.8	66.7	67.1	72.54	72
w116	76.25	76.3	76.29	76.28	76.35	76.3	76.4	76.1	76.2	76.2	76.2	76.2	76.1	76.08	76.09	76.09	76.2	76.2	75.94	75.9	76.11	76.09	75.9	75.7	75.7	75.9	76.1	75.7	75.85	76.8	76.8	76.7	76.4	76.6	76.6	76.9	76.8	76.7	76.7	76.7	76.1	76.02	76.12	75.95	76.09	76.09	76.1	75.6	76	76.1	76	76.28	76.01	76.07	76.06	76.02	75.83	76	75.6	75.9	75.8	75.9	75.9	75.9	75.9	75.9	75.8	75.8	75.8	75.9	75.5	76	76	75.9	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	75.9	75.88	76.1	75.9	75.8	76.5	76.2	76.4	75.74	75	68	74.5	74.8	74.8	74.8	80	80	80	64.2	63.8	81.8		66.9	67.2	72.66	72.2
sr48	68.19	68.3	68.27	68.23	68.35	68.3	68.3	68.2	68.4	68.4	68.4	68.4	68.3	68.27	68.33	68.31	68.4	68.2	68.24	68.1	67.87	68.17	68	67.8	67.9	68	68	68	68.03	68.5	68.5	68.4	68.2	68	68.23	68.2	68.5	68.4	68.1	68.4	68	68.04	68.06	67.87	68.05	68.04	68	67.4	68.01	68.1	68	67.99	68.06	68.05	68.06	68.02	67.87	68	67.6	67.9	67.8	67.9	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.5	66.7	67.5	67.6	67.5	67.6	67.6	67.6	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.5	67.6	67.6	67.6	67.6	67.4	67.58	67.7	67.4	67.3	68.3	68.1	68.4	67.8	68	64	67.9	67.9	67.8	68	66.9	66	67	60.5	60.1	66.7	66.9		88.2	66.44	65.7
srg49	68.34	68.4	68.37	68.36	68.31	68.3	68.4	68.6	68.8	68.8	68.8	68.8	68.7	68.67	68.72	68.67	68.8	68.6	68.47	68.3	68.23	68.5	68.6	68.1	68.6	68.3	68.3	68.1	68.31	68.8	68.8	68.8	68.5	68.3	68.59	68.5	68.8	68.7	68.7	68.8	68.2	68.17	68.19	68.04	68.16	68.17	68.2	67.8	68.1	68.2	68.1	68.34	68.2	68.21	68.18	68.13	67.98	68.2	67.8	68	68	68	67.9	68	68	68	68	68	68	67.8	66.7	67.8	67.8	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.8	67.93	67.9	67.5	67.3	68.5	68.6	68.6	68.06	68	64	68.1	68.3	68.1	68.2	67.1	67	67	60.6	60.2	67	67.2	88.2		67.05	66.1
smn50	76.95	77	77.01	77.01	77.06	77	77.1	77.2	76.9	76.8	76.9	76.9	76.7	76.71	76.69	76.68	76.8	77	76.35	76.1	76.14	76.31	76.4	75.9	76.4	76.2	76.2	76.1	76.21	77.3	77.3	77.2	77.2	77.1	76.96	77.3	77.3	77.2	77.2	77.2	76.6	76.6	76.66	76.4	76.59	76.69	76.6	76.3	76.59	76.6	76.6	76.84	76.61	76.64	76.66	76.6	76.43	76.6	76.4	76.4	76.4	76.4	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.1	75.9	76.1	76.1	76.1	76.2	76.1	76.1	76.1	76	76.1	76.1	76	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76	75.72	75.8	75.8	75.8	77.2	77.1	77	77.68	76	68	77.1	77.3	77.3	77.4	72.3	72	72	64	63.6	72.5	72.7	66.4	67.1		71.8
tb51	76.5	76.6	76.65	76.64	76.61	76.6	76.6	76.4	76.2	76.1	76.2	76.2	76.1	76.07	76.08	76.13	76.1	75.9	75.89	75.9	75.83	76.01	75.6	75.5	75.5	75.8	75.8	75.7	75.79	76.5	76.5	76.5	76.2	76.4	76.31	76.7	76.6	76.5	76.4	76.4	76.7	76.62	76.64	76.42	76.66	76.62	76.6	76.6	76.61	76.7	76.6	76.83	76.66	76.62	76.66	76.62	76.44	76.7	76.6	76.4	76.4	76.4	75.2	75.2	75.2	75.2	75.1	75.2	75.3	75.4	75.3	75.5	75.5	75.3	75.4	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.4	75.4	74.76	74.8	74.5	74.5	76.9	76.5	76.6	74.75	75	67	74	74.3	74	73.8	71.7	71	72	63.9	63.5	72	72.2	65.7	65.9	71.75	

Supplementary Table 3. GGDC analyses within each phylogenetic group

Group A						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
NC_014659	LRRF00000000	93.1	1.71	93.1 - 93.1	0.0087	96.73
NC_014659	APJC00000000	91.5	1.40055	91.5 - 91.5	0.0105	96.26
NC_014659	LRQY00000000	93.1	1.71	93.1 - 93.1	0.0087	96.73
NC_014659	LRQZ00000000	90.8	2.02	90.8 - 90.8	0.0112	96.07
NC_014659	LRRA00000000	93.1	1.7	93.1 - 93.2	0.0087	96.74
NC_014659	NZ_CM001149	92	1.2636	92 - 92%	0.01	96.42
NC_014659	JPOC00000000	27	3.020253	27 - 27%	0.1603	0.03
Group B1-1						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
NZ_CP011341.1	LRRL00000000	44.6	2.56	44.6 - 44.6	0.0852	7.67
NZ_CP011341.1	LPZN00000000	21.4	2.34	21.4 - 21.4	0.2055	0
NZ_CP011341.1	LRRK00000000	21.6	2.35	21.6 - 21.7	0.2027	0
NZ_CP011341.1	LRRI00000000	21.5	2.34	21.5 - 21.5	0.2041	0
NZ_CP011341.1	AVAE00000000	92.2	2.575147	92.1 - 92.2	0.0098	96.47
NZ_CP011341.1	AZHI00000000	92.9	2.791065	92.9 - 92.9	0.0089	96.68
NZ_CP011341.1	CAVJ000000000	94.5	2.854621	94.5 - 94.5	0.0072	97.08
NZ_CP011341.1	AJVB00000000	22	2.920821	22 - 22%	0.1994	0
NZ_CP011341.1	AGVW00000000	21.6	2.966245	21.6 - 21.6	0.2032	0
NZ_CP011341.1	AFAQ00000000	21.4	2.888954	21.4 - 21.4	0.2051	0
NZ_CP011341.1	AHBW00000000	21.6	2.966435	21.6 - 21.6	0.2031	0
NZ_CP011341.1	JPJJ01000000	21.5	2.961796	21.5 - 21.5	0.2045	0
NZ_CP011341.1	JTIZ01000000	21.5	2.957577	21.5 - 21.5	0.2045	0
NZ_CP011341.1	NC_023150	21.5	2.97309	21.5 - 21.5	0.2042	0
NZ_CP011341.1	LRRH00000000	22.7	2.37	22.7 - 22.7	0.1932	0
NZ_CP011341.1	AJFC00000000	45	3.333403	45 - 45%	0.0844	8.16
NZ_CP011341.1	CCSD01000000	44.8	3.306344	44.7 - 44.8	0.0849	7.83
NZ_CP011341.1	LDUF01000000	44.8	3.327868	44.8 - 44.8	0.0848	7.89
NZ_CP011341.1	ANGC00000000	44.7	3.339426	44.7 - 44.7	0.0852	7.68
NZ_CP011341.1	AOEX00000000	43.5	3.256966	43.5 - 43.5	0.0886	6.05
Group B1-2						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
LRRL00000000	AVAE00000000	44.1	2.55	44.1 - 44.1	0.0869	6.83
LRRL00000000	AFAQ00000000	21.5	2.34	21.5 - 21.5	0.2046	0
LRRL00000000	CAVJ000000000	44.9	2.56	44.9 - 44.9	0.0844	8.11
LRRL00000000	AJVB00000000	22	2.35	22 - 22%	0.1993	0
LRRL00000000	AJFC00000000	93	1.73	93 - 93%	0.0089	96.69
LRRL00000000	JPJJ01000000	21.6	2.35	21.6 - 21.6	0.2028	0
LRRL00000000	JTIZ01000000	21.6	2.35	21.6 - 21.6	0.203	0
LRRL00000000	NZ_CP011341.1	44.6	2.56	44.6 - 44.6	0.0852	7.67
LRRL00000000	LPZN00000000	21.4	2.34	21.4 - 21.4	0.2056	0
LRRL00000000	NC_023150	21.6	2.35	21.6 - 21.6	0.2028	0
LRRL00000000	AHBW00000000	21.8	2.35	21.8 - 21.8	0.2015	0
LRRL00000000	LRRI00000000	21.5	2.34	21.5 - 21.5	0.2037	0
LRRL00000000	LRRH00000000	22.6	2.36	22.6 - 22.6	0.1936	0

LRRL00000000	ANGC00000000	94.8	1.43	94.8 - 94.8	0.0068	97.16
LRRL00000000	AOEX00000000	60.3	2.82	60.3 - 60.3	0.0511	53.34
LRRL00000000	CCSD01000000	92.2	1.84	92.2 - 92.2	0.0097	96.48
LRRL00000000	LDUF01000000	92.9	1.74	92.9 - 92.9	0.009	96.68
LRRL00000000	AGVW00000000	21.7	2.35	21.7 - 21.7	0.2026	0
LRRL00000000	AZHI00000000	44.1	2.55	44.1 - 44.1	0.0869	6.84
LRRL00000000	LRRK00000000	21.7	2.35	21.7 - 21.7	0.2026	0
Group B1-3						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
AOEX00000000	AVAE00000000	42.7	[40.1 - 45.2	42.7 - 42.7	0.091	5.07
AOEX00000000	AFAQ00000000	21.3	[19.1 - 23.7	21.3 - 21.3	0.2059	0
AOEX00000000	CAVJ000000000	43.3	[40.8 - 45.9	43.3 - 43.3	0.089	5.84
AOEX00000000	AJVB00000000	21.8	[19.6 - 24.3	21.8 - 21.9	0.2008	0
AOEX00000000	AJFC00000000	60.6	[57.8 - 63.4	60.6 - 60.6	0.0505	54.46
AOEX00000000	JPJJ01000000	21.6	[19.3 - 24%	21.6 - 21.6	0.2035	0
AOEX00000000	JTIZ01000000	21.4	[19.1 - 23.8	21.4 - 21.4	0.2054	0
AOEX00000000	NZ_CP011341.1	43.5	[41 - 46%]	43.5 - 43.5	0.0886	6.05
AOEX00000000	LPZN00000000	21.4	[19.1 - 23.8	21.4 - 21.4	0.2052	0
AOEX00000000	NC_023150	21.2	[19 - 23.6%	21.2 - 21.2	0.2071	0
AOEX00000000	AHBW00000000	21.4	[19.1 - 23.8	21.4 - 21.4	0.2052	0
AOEX00000000	LRRI00000000	21.4	[19.1 - 23.8	21.4 - 21.4	0.2052	0
AOEX00000000	LRRH00000000	22.2	[20 - 24.7%	22.2 - 22.2	0.1973	0
AOEX00000000	ANGC00000000	59.6	[56.8 - 62.4	59.6 - 59.6	0.0523	51.08
AOEX00000000	LRRL00000000	60.3	[57.5 - 63.1	60.3 - 60.3	0.0511	53.34
AOEX00000000	CCSD01000000	60	[57.2 - 62.8	60 - 60%	0.0516	52.39
AOEX00000000	LDUF01000000	60.5	[57.6 - 63.2	60.5 - 60.5	0.0508	53.87
AOEX00000000	AGVW00000000	21.5	[19.2 - 23.9	21.4 - 21.5	0.2046	0
AOEX00000000	AZHI00000000	42.9	[40.4 - 45.5	42.9 - 42.9	0.0902	5.37
AOEX00000000	LRRK00000000	21.4	[19.2 - 23.9	21.4 - 21.4	0.2049	0
Group B-4						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
LRRH00000000	AVAE00000000	22.9	2.37	22.9 - 22.9	0.1915	0
LRRH00000000	AFAQ00000000	22	2.35	22 - 22%	0.1996	0
LRRH00000000	CAVJ000000000	22.9	2.37	22.9 - 22.9	0.1915	0
LRRH00000000	AJVB00000000	22.6	2.36	22.5 - 22.6	0.1943	0
LRRH00000000	AJFC00000000	22.7	2.37	22.7 - 22.7	0.1928	0
LRRH00000000	JPJJ01000000	22.2	2.36	22.2 - 22.2	0.1978	0
LRRH00000000	JTIZ01000000	22.2	2.36	22.2 - 22.2	0.1976	0
LRRH00000000	NZ_CP011341.1	22.7	2.37	22.7 - 22.7	0.1932	0
LRRH00000000	LPZN00000000	22	2.35	22 - 22%	0.1993	0
LRRH00000000	NC_023150	21.9	2.35	21.9 - 21.9	0.2007	0
LRRH00000000	AHBW00000000	22	2.35	22 - 22%	0.1995	0
LRRH00000000	LRRI00000000	21.9	2.35	21.9 - 21.9	0.1999	0
LRRH00000000	ANGC00000000	22.7	2.37	22.7 - 22.7	0.1933	0
LRRH00000000	AOEX00000000	22.2	2.36	22.2 - 22.2	0.1973	0
LRRH00000000	LRRL00000000	22.6	2.36	22.6 - 22.6	0.1936	0
LRRH00000000	CCSD01000000	22.6	2.37	22.6 - 22.7	0.1934	0
LRRH00000000	LDUF01000000	22.6	2.36	22.6 - 22.6	0.1939	0

LRRH00000000	AGVW00000000	22.4	2.36	22.4 - 22.4	0.1959	0
LRRH00000000	AZHI00000000	23	2.37	23 - 23%	0.1903	0
LRRH00000000	LRRK00000000	22	2.35	22 - 22%	0.1993	0
Group B2-5						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap	Distance	Prob. DDH >= 70%
LPZN00000000	AVAE00000000	21.8	2.35	21.8 - 21.8	0.201	0
LPZN00000000	AFAQ00000000	41.9	2.53	41.9 - 41.9	0.0932	4.3
LPZN00000000	CAVJ000000000	21.8	2.35	21.8 - 21.8	0.2008	0
LPZN00000000	AJVB00000000	85.7	2.49	85.7 - 85.7	0.0168	94.07
LPZN00000000	AJFC00000000	21.6	2.34	21.6 - 21.6	0.2033	0
LPZN00000000	JPJJ01000000	42.5	2.53	42.5 - 42.5	0.0914	4.91
LPZN00000000	JTIZ01000000	42	2.53	41.9 - 42%	0.0931	4.33
LPZN00000000	NZ_CP011341.1	21.4	2.34	21.4 - 21.4	0.2055	0
LPZN00000000	NC_023150	42.2	2.53	42.2 - 42.2	0.0923	4.62
LPZN00000000	AHBW00000000	43	2.54	43 - 43%	0.09	5.44
LPZN00000000	LRRI00000000	43	2.54	43 - 43%	0.0899	5.5
LPZN00000000	LRRH00000000	22	2.35	22 - 22%	0.1993	0
LPZN00000000	ANGC00000000	21.6	2.34	21.6 - 21.6	0.2033	0
LPZN00000000	AOEX00000000	21.4	2.34	21.4 - 21.4	0.2052	0
LPZN00000000	LRRL00000000	21.4	2.34	21.4 - 21.4	0.2056	0
LPZN00000000	CCSD01000000	21.6	2.34	21.6 - 21.6	0.2035	0
LPZN00000000	LDUF01000000	21.7	2.35	21.7 - 21.7	0.2019	0
LPZN00000000	AGVW00000000	41.8	2.52	41.8 - 41.8	0.0936	4.19
LPZN00000000	AZHI00000000	21.8	2.35	21.8 - 21.8	0.2016	0
LPZN00000000	LRRK00000000	41.7	2.52	41.7 - 41.7	0.0938	4.12
Group B2-6a						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap	Distance	Prob. DDH >= 70%
LRRK00000000	AVAE00000000	21.8	2.35	21.8 - 21.8	0.2013	0
LRRK00000000	AFAQ00000000	57.1	2.76	57.1 - 57.1	0.0568	42.4
LRRK00000000	CAVJ000000000	21.8	2.35	21.8 - 21.8	0.2009	0
LRRK00000000	AJVB00000000	41.6	2.52	41.6 - 41.6	0.0944	3.95
LRRK00000000	AJFC00000000	21.8	2.35	21.8 - 21.8	0.2009	0
LRRK00000000	JPJJ01000000	59.3	2.8	59.3 - 59.3	0.0528	50.04
LRRK00000000	JTIZ01000000	59.1	2.79	59.1 - 59.1	0.0532	49.24
LRRK00000000	NZ_CP011341.1	21.6	2.35	21.6 - 21.7	0.2027	0
LRRK00000000	LPZN00000000	41.7	2.52	41.7 - 41.7	0.0938	4.12
LRRK00000000	NC_023150	59.2	2.8	59.2 - 59.2	0.0531	49.54
LRRK00000000	AHBW00000000	58.9	2.79	58.9 - 58.9	0.0535	48.76
LRRK00000000	LRRI00000000	58.7	2.79	58.7 - 58.7	0.0539	47.89
LRRK00000000	LRRH00000000	22	2.35	22 - 22%	0.1993	0
LRRK00000000	ANGC00000000	21.6	2.35	21.6 - 21.6	0.2027	0
LRRK00000000	AOEX00000000	21.4	2.34	21.4 - 21.4	0.2049	0
LRRK00000000	LRRL00000000	21.7	2.35	21.7 - 21.7	0.2026	0
LRRK00000000	CCSD01000000	21.6	2.35	21.6 - 21.6	0.2029	0
LRRK00000000	LDUF01000000	21.5	2.34	21.5 - 21.5	0.2043	0
LRRK00000000	AGVW00000000	62.5	2.85	62.5 - 62.6	0.0473	60.44
LRRK00000000	AZHI00000000	21.8	2.35	21.8 - 21.8	0.2013	0

Group B2-6b						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
AGVW00000000	LPZN00000000	41.8	2.52	41.8 - 41.8	0.0936	4.19
AGVW00000000	LRRI00000000	59.9	2.81	59.9 - 59.9	0.0517	52.1
AGVW00000000	LRRH00000000	22.4	2.36	22.4 - 22.4	0.1959	0
AGVW00000000	LRRL00000000	21.7	2.35	21.7 - 21.7	0.2026	0
AGVW00000000	LRRK00000000	62.5	2.85	62.5 - 62.6	0.0473	60.44
AGVW00000000	AVAE00000000	21.7	2.950495	21.7 - 21.7	0.2018	0
AGVW00000000	CAVJ000000000	21.7	2.942169	21.7 - 21.7	0.2018	0
AGVW00000000	NZ_CP011341.1	21.6	2.966245	21.6 - 21.6	0.2032	0
AGVW00000000	AZHI00000000	21.7	2.943735	21.7 - 21.7	0.202	0
AGVW00000000	AJFC00000000	21.8	2.935339	21.8 - 21.8	0.2013	0
AGVW00000000	CCSD01000000	21.7	2.942023	21.7 - 21.7	0.2021	0
AGVW00000000	LDUF01000000	21.7	2.951113	21.7 - 21.7	0.2026	0
AGVW00000000	ANGC00000000	21.7	2.949395	21.7 - 21.7	0.2021	0
AGVW00000000	AOEX00000000	21.5	2.942441	21.4 - 21.5	0.2046	0
AGVW00000000	AJVB00000000	42	3.102589	42 - 42%	0.0931	4.34
AGVW00000000	JTIZ01000000	59.3	3.199612	59.3 - 59.3	0.0529	49.9
AGVW00000000	AFAQ00000000	58.7	3.005453	58.7 - 58.7	0.0539	47.91
AGVW00000000	JPJJ01000000	61.2	3.219722	61.2 - 61.2	0.0495	56.38
AGVW00000000	NC_023150	60.8	3.294971	60.8 - 60.8	0.0503	54.86
AGVW00000000	AHBW00000000	60.2	3.224831	60.2 - 60.2	0.0513	52.88
Group B2-7						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
LRRI00000000	AVAE00000000	22	2.35	22 - 22%	0.199	0
LRRI00000000	AFAQ00000000	84.2	2.59	84.1 - 84.2	0.0186	93.29
LRRI00000000	CAVJ000000000	22.1	2.35	22.1 - 22.1	0.1983	0
LRRI00000000	AJVB00000000	42.8	2.54	42.8 - 42.8	0.0905	5.25
LRRI00000000	AJFC00000000	21.8	2.35	21.8 - 21.8	0.2017	0
LRRI00000000	JPJJ01000000	86.9	2.41	86.8 - 86.9	0.0156	94.59
LRRI00000000	JTIZ01000000	87.4	2.36	87.4 - 87.4	0.015	94.82
LRRI00000000	NZ_CP011341.1	21.5	2.34	21.5 - 21.5	0.2041	0
LRRI00000000	LPZN00000000	43	2.54	43 - 43%	0.0899	5.5
LRRI00000000	NC_023150	86.4	2.44	86.4 - 86.4	0.0161	94.38
LRRI00000000	AHBW00000000	87.8	2.32	87.8 - 87.8	0.0145	94.99
LRRI00000000	LRRH00000000	21.9	2.35	21.9 - 21.9	0.1999	0
LRRI00000000	ANGC00000000	21.7	2.35	21.7 - 21.7	0.2025	0
LRRI00000000	AOEX00000000	21.4	2.34	21.4 - 21.4	0.2052	0
LRRI00000000	LRRL00000000	21.5	2.34	21.5 - 21.5	0.2037	0
LRRI00000000	CCSD01000000	21.7	2.35	21.7 - 21.7	0.2018	0
LRRI00000000	LDUF01000000	21.8	2.35	21.8 - 21.8	0.2016	0
LRRI00000000	AGVW00000000	59.9	2.81	59.9 - 59.9	0.0517	52.1
LRRI00000000	AZHI00000000	22	2.35	22 - 22%	0.1992	0
LRRI00000000	LRRK00000000	58.7	2.79	58.7 - 58.7	0.0539	47.89
Group C-1						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
NC_008268	LRRG00000000	60.3	2.82	60.3 - 60.3	0.0511	53.41
NC_008268	AKKP00000000	90.3	3.284781	90.3 - 90.3	0.0118	95.89

NC_008268	AJLQ00000000	93.9	2.847251	93.9 - 94%	0.0078	96.95
NC_008268	NC_008268	100	Inf	100 - 100%	0	98.3
NC_008268	AJJH00000000	60.4	3.143948	60.4 - 60.4	0.0509	53.65
NC_008268	AJYC00000000	59.8	3.227206	59.8 - 59.8	0.0519	51.78
NC_008268	ANIU00000000	60.1	3.16812	60.1 - 60.1	0.0514	52.82
NC_008268	CP008947.1	58.7	3.333428	58.7 - 58.7	0.0538	48.09
NC_008268	BAWF01000000	58.5	3.135921	58.5 - 58.5	0.0543	47.12
NC_008268	AGVD00000000	60	3.280012	60 - 60%	0.0515	52.48
NC_008268	NC_012522	42	3.123612	42 - 42%	0.0929	4.42
Group C-2						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
LRRG00000000	AKKP00000000	60.1	2.81	60.1 - 60.1	0.0515	52.57
LRRG00000000	AJLQ00000000	59.5	2.8	59.4 - 59.5	0.0526	50.5
LRRG00000000	AJJH00000000	81.2	2.74	81.2 - 81.2	0.0219	91.47
LRRG00000000	NC_008268	60.3	2.82	60.3 - 60.3	0.0511	53.41
LRRG00000000	NC_012522	42.8	2.53	42.8 - 42.8	0.0907	5.18
LRRG00000000	AGVD00000000	70.6	2.93	70.6 - 70.6	0.0352	79.46
LRRG00000000	AJYC00000000	85.2	2.53	85.2 - 85.2	0.0174	93.83
LRRG00000000	CP008947.1	59.2	2.8	59.2 - 59.2	0.053	49.6
LRRG00000000	ANIU00000000	97.1	0.96	97.1 - 97.1	0.0042	97.67
LRRG00000000	BAWF01000000	58.2	2.78	58.2 - 58.2	0.0549	46.13
Group C-3						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
BAWF01000000	AKKP00000000	58.2	2.78	58.2 - 58.2	0.0548	46.17
BAWF01000000	AJLQ00000000	57.1	2.76	57.1 - 57.1	0.0569	42.26
BAWF01000000	AJJH00000000	57.4	2.76	57.4 - 57.4	0.0563	43.39
BAWF01000000	NC_008268	58.5	2.78	58.5 - 58.5	0.0543	47.12
BAWF01000000	NC_012522	43.5	2.54	43.5 - 43.5	0.0884	6.12
BAWF01000000	AGVD00000000	58.5	2.78	58.5 - 58.6	0.0542	47.41
BAWF01000000	AJYC00000000	57.8	2.77	57.8 - 57.8	0.0555	44.83
BAWF01000000	CP008947.1	91.6	1.92	91.6 - 91.6	0.0104	96.31
BAWF01000000	LRRG00000000	58.2	2.78	58.2 - 58.2	0.0549	46.13
BAWF01000000	ANIU00000000	57.5	2.76	57.5 - 57.5	0.0562	43.65
Group C-4						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
AGVD00000000	AKKP00000000	59.8	2.81	59.8 - 59.8	0.052	51.64
AGVD00000000	AJLQ00000000	59.2	2.8	59.2 - 59.2	0.053	49.77
AGVD00000000	AJJH00000000	69.2	2.92	69.2 - 69.2	0.0373	76.75
AGVD00000000	NC_008268	60	2.81	60 - 60%	0.0515	52.48
AGVD00000000	NC_012522	43.2	2.54	43.2 - 43.2	0.0894	5.71
AGVD00000000	AJYC00000000	69.8	2.92	69.8 - 69.8	0.0363	78.03
AGVD00000000	CP008947.1	59.1	2.8	59.1 - 59.2	0.0531	49.47
AGVD00000000	LRRG00000000	70.6	2.93	70.6 - 70.6	0.0352	79.46
AGVD00000000	ANIU00000000	70	2.92	70 - 70%	0.0362	78.27
AGVD00000000	BAWF01000000	58.5	2.78	58.5 - 58.6	0.0542	47.41
Group C-5						

Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
NC_012522	LRRG00000000	42.8	2.53	42.8 - 42.8	0.0907	5.18
NC_012522	AKKP00000000	42.4	3.066658	42.4 - 42.4	0.0917	4.81
NC_012522	AJLQ00000000	42.1	3.056392	42.1 - 42.1	0.0928	4.46
NC_012522	NC_008268	42	3.123612	42 - 42%	0.0929	4.42
NC_012522	AJJH00000000	42.8	3.017644	42.8 - 42.8	0.0906	5.23
NC_012522	AJYC00000000	42.6	3.039651	42.6 - 42.6	0.0911	5.04
NC_012522	ANIU00000000	43.2	3.033316	43.2 - 43.2	0.0894	5.7
NC_012522	CP008947.1	43.6	3.143554	43.6 - 43.6	0.0882	6.19
NC_012522	BAWF01000000	43.5	3.035224	43.5 - 43.5	0.0884	6.12
NC_012522	AGVD00000000	43.2	3.079909	43.2 - 43.2	0.0894	5.71
Group D-1						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
LRRJ00000000	AVCO00000000	63.2	[60.3 - 66%	63.2 - 63.2	0.0463	62.34
LRRJ00000000	CFHW01000000	83.9	[81.1 - 86.3	83.9 - 83.9	0.0189	93.14
LRRJ00000000	LEKE01000000	62.6	[59.7 - 65.4	62.6 - 62.6	0.0472	60.62
LRRJ00000000	NC_012490	62.8	[59.9 - 65.6	62.8 - 62.8	0.047	61.11
LRRJ00000000	ACNO00000000	84.8	[82 - 87.1%	84.7 - 84.8	0.0179	93.6
LRRJ00000000	NC_022115	62.9	[60 - 65.7%	62.9 - 62.9	0.0468	61.38
LRRJ00000000	AGCF00000000	62.4	[59.5 - 65.2	62.4 - 62.4	0.0475	60.02
LRRJ00000000	AUZK00000000	62.7	[59.8 - 65.5	62.7 - 62.7	0.0471	60.8
LRRJ00000000	BBLL01000000	88.5	[86 - 90.6%	88.5 - 88.5	0.0138	95.25
LRRJ00000000	JOIL01000000	80	[77.1 - 82.7	80 - 80%	0.0233	90.6
LRRJ00000000	ASKF01000000	62	[59.1 - 64.7	61.9 - 62%	0.0483	58.62
LRRJ00000000	LPZM00000000	99.9	[99.9 - 100	99.9 - 99.9	0.0002	98.28
LRRJ00000000	LDPN01000000	87.3	[84.7 - 89.5	87.3 - 87.3	0.0151	94.77
LRRJ00000000	NZ_CP011295.1	62.7	[59.8 - 65.5	62.7 - 62.7	0.047	60.97
LRRJ00000000	JOIM01000000	62.9	[60 - 65.7%	62.9 - 62.9	0.0467	61.56
LRRJ00000000	AODN00000000	88.8	[86.4 - 90.8	88.8 - 88.8	0.0134	95.37
LRRJ00000000	JNCU01000000	87	[84.4 - 89.2	87 - 87%	0.0154	94.64
LRRJ00000000	ASJJ00000000	62.8	[59.9 - 65.7	62.8 - 62.8	0.0468	61.32
LRRJ00000000	JYOP01000000	24.1	[21.8 - 26.5	24.1 - 24.1	0.1813	0.01
LRRJ00000000	CEDU01000000	24.2	[21.9 - 26.6	24.2 - 24.2	0.1807	0.01
LRRJ00000000	JNWS01000000	24.2	[21.9 - 26.7	24.2 - 24.2	0.18	0.01
Group D-2						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
NC_022115	LPZM00000000	62.9	2.86	62.9 - 62.9	0.0468	61.44
NC_022115	LRRJ00000000	62.9	2.86	62.9 - 62.9	0.0468	61.38
NC_022115	CFHW01000000	61.8	2.745462	61.8 - 61.8	0.0486	58.09
NC_022115	ACNO00000000	63	2.989471	63 - 63%	0.0466	61.74
NC_022115	BBLL01000000	62.9	3.185965	62.9 - 62.9	0.0467	61.59
NC_022115	JOIL01000000	68.9	2.889865	68.9 - 68.9	0.0377	76.19
NC_022115	LDPN01000000	62.8	3.253618	62.8 - 62.8	0.0469	61.21
NC_022115	AODN00000000	63.2	2.893775	63.2 - 63.2	0.0463	62.26
NC_022115	JNCU01000000	62.6	3.3085	62.6 - 62.6	0.0472	60.7
NC_022115	LEKE01000000	88.2	1.808672	88.2 - 88.2	0.0141	95.13
NC_022115	AVCO00000000	88.8	2.582524	88.8 - 88.8	0.0135	95.37
NC_022115	NC_012490	88.3	1.901906	88.3 - 88.3	0.014	95.19

NC_022115	AGCF00000000	88.3	2.889517	88.3 - 88.3	0.014	95.18
NC_022115	AUZK00000000	87.6	2.25441	87.6 - 87.6	0.0147	94.92
NC_022115	ASKF01000000	89.1	2.133519	89.1 - 89.1	0.0131	95.48
NC_022115	NZ_CP011295.1	89	1.339991	89 - 89%	0.0132	95.45
NC_022115	JOIM01000000	100	0.089949	99.9 - 99.9	0.0003	98.26
NC_022115	ASJJ00000000	100	1.05517	99.6 - 99.6	0.0008	98.19
NC_022115	JYOP01000000	24.1	[21.8 - 26.5	24.1 - 24.1	0.1815	0.01
NC_022115	CEDU01000000	24	[21.7 - 26.5	24 - 24%	0.1819	0
NC_022115	JNWS01000000	24.1	[21.8 - 26.5	24.1 - 24.1	0.1814	0.01
Group D-3						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
JNWS01000000	JYOP01000000	88.8	2.862449	88.8 - 88.8	0.0134	95.37
JNWS01000000	CEDU01000000	83.4	2.723753	83.4 - 83.4	0.0194	92.85
Group E1-1						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
JOKB01000000	ARTN00000000	56.8	3.348659	56.8 - 56.8	0.0575	41.15
JOKB01000000	ARND00000000	-9999			-9999	
JOKB01000000	JMEX01000000	57	3.327823	57 - 57.1%	0.0569	42.17
JOKB01000000	JMEW01000000	59.3	3.348787	59.3 - 59.3	0.0528	50.12
JOKB01000000	JMFF01000000	57.3	3.348982	57.3 - 57.3	0.0565	43.01
JOKB01000000	JMFE01000000	57.5	3.332635	57.5 - 57.5	0.0562	43.62
JOKB01000000	JMEV01000000	22	2.899647	22 - 22%	0.1992	0
JOKB01000000	BAOX01000000	21.3	2.821507	21.3 - 21.3	0.2064	0
JOKB01000000	NZ_CP010797.1	20.2	2.875993	20.2 - 20.2	0.2175	0
JOKB01000000	JMFC01000000	22.5	2.907818	22.5 - 22.5	0.1946	0
JOKB01000000	JMFD01000000	20.6	2.840616	20.6 - 20.6	0.2134	0
JOKB01000000	JMFA01000000	21.3	2.868488	21.3 - 21.3	0.2062	0
JOKB01000000	JMEZ01000000	20.9	2.863237	20.9 - 20.9	0.2103	0
JOKB01000000	JMEM01000000	22.1	2.878388	22.1 - 22.1	0.1987	0
JOKB01000000	JZIS01000000	20.6	2.865046	20.6 - 20.6	0.213	0
JOKB01000000	AXVF00000000	20.6	2.878426	20.6 - 20.6	0.2132	0
JOKB01000000	LFDS01000000	20.4	2.869638	20.4 - 20.4	0.2153	0
JOKB01000000	JMEY01000000	23	2.894318	23 - 23%	0.1906	0
JOKB01000000	JMEU01000000	22.9	2.910638	22.9 - 22.9	0.1915	0
JOKB01000000	JMES01000000	20.5	2.859485	20.5 - 20.5	0.2144	0
JOKB01000000	JMER01000000	20.6	2.857774	20.6 - 20.6	0.2129	0
JOKB01000000	JMET01000000	22.5	2.901807	22.5 - 22.5	0.195	0
JOKB01000000	JMEQ01000000	20.7	2.865869	20.7 - 20.7	0.2124	0
JOKB01000000	JMEP01000000	22.5	2.901084	22.5 - 22.5	0.1945	0
JOKB01000000	JMEO01000000	23.1	2.899508	23.1 - 23.1	0.1894	0
JOKB01000000	JMEN01000000	22.6	2.898779	22.6 - 22.6	0.1942	0
JOKB01000000	CAPS00000000	21.6	2.830852	21.6 - 21.6	0.2032	0
Group E1-2						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
ARTN00000000	JOKB01000000	56.8	3.348659	56.8 - 56.8	0.0575	41.15
ARTN00000000	ARND00000000	-9999			-9999	
ARTN00000000	JMEX01000000	91.6	2.838378	91.6 - 91.6	0.0103	96.31

ARTN00000000	JMEW01000000	88.1	3.239821	88 - 88.1%	0.0142	95.09
ARTN00000000	JMFF01000000	92.9	2.948312	92.9 - 92.9	0.009	96.67
ARTN00000000	JMFE01000000	91.9	3.036118	91.9 - 91.9	0.01	96.4
ARTN00000000	JMEV01000000	20.2	2.888275	20.2 - 20.2	0.2178	0
ARTN00000000	BAOX01000000	20.9	2.826377	20.9 - 21%	0.2097	0
ARTN00000000	NZ_CP010797.1	20.1	2.903683	20.1 - 20.1	0.2183	0
ARTN00000000	JMFC01000000	20.1	2.887823	20.1 - 20.1	0.2191	0
ARTN00000000	JMFD01000000	20.4	2.854134	20.4 - 20.4	0.2157	0
ARTN00000000	JMFA01000000	20.3	2.857897	20.3 - 20.3	0.2161	0
ARTN00000000	JMEZ01000000	20.2	2.862233	20.2 - 20.2	0.2172	0
ARTN00000000	JMEM01000000	20.3	2.856197	20.3 - 20.3	0.2169	0
ARTN00000000	JZIS01000000	20.3	2.885933	20.3 - 20.3	0.2163	0
ARTN00000000	AXVF00000000	20.2	2.890538	20.2 - 20.2	0.2176	0
ARTN00000000	LFDS01000000	20.2	2.886474	20.2 - 20.2	0.2179	0
ARTN00000000	JMEY01000000	20.5	2.860448	20.5 - 20.5	0.2144	0
ARTN00000000	JMEU01000000	20.2	2.875665	20.2 - 20.2	0.2173	0
ARTN00000000	JMES01000000	20.3	2.86866	20.3 - 20.3	0.217	0
ARTN00000000	JMER01000000	20.3	2.871721	20.3 - 20.3	0.2169	0
ARTN00000000	JMET01000000	20.2	2.875074	20.2 - 20.2	0.2174	0
ARTN00000000	JMEQ01000000	20.3	2.870311	20.3 - 20.3	0.2164	0
ARTN00000000	JMEP01000000	20.2	2.873651	20.2 - 20.2	0.2175	0
ARTN00000000	JMEO01000000	20.3	2.866434	20.3 - 20.3	0.2168	0
ARTN00000000	JMEN01000000	20.3	2.869777	20.3 - 20.4	0.216	0
ARTN00000000	CAPS00000000	20.6	2.828702	20.6 - 20.6	0.2136	0
Group E2-3						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
JMEV01000000	JOKB01000000	22	2.899647	22 - 22%	0.1992	0
JMEV01000000	ARTN00000000	20.2	2.888275	20.2 - 20.2	0.2178	0
JMEV01000000	ARND00000000	-9999			-9999	
JMEV01000000	JMEX01000000	22.9	2.935658	22.9 - 22.9	0.1912	0
JMEV01000000	JMEW01000000	22.4	2.904623	22.4 - 22.4	0.196	0
JMEV01000000	JMFF01000000	21.9	2.900571	21.9 - 21.9	0.2006	0
JMEV01000000	JMFE01000000	22.1	2.905587	22 - 22.1%	0.1989	0
JMEV01000000	BAOX01000000	46.5	3.124931	46.5 - 46.5	0.0803	10.83
JMEV01000000	NZ_CP010797.1	42.4	3.220153	42.4 - 42.4	0.0917	4.82
JMEV01000000	JMFC01000000	43.3	3.250196	43.3 - 43.3	0.089	5.85
JMEV01000000	JMFD01000000	32.9	3.084305	32.9 - 32.9	0.1274	0.32
JMEV01000000	JMFA01000000	33	3.070991	33 - 33%	0.1272	0.33
JMEV01000000	JMEZ01000000	33	3.086276	33 - 33%	0.127	0.33
JMEV01000000	JMEM01000000	34	3.102428	34 - 34%	0.1226	0.47
JMEV01000000	JZIS01000000	28.1	3.025618	28.1 - 28.1	0.1532	0.04
JMEV01000000	AXVF00000000	27.9	3.021006	27.9 - 27.9	0.1541	0.04
JMEV01000000	LFDS01000000	28	3.026574	28 - 28%	0.1536	0.04
JMEV01000000	JMEY01000000	29.3	3.039474	29.3 - 29.3	0.1462	0.08
JMEV01000000	JMEU01000000	29	3.043245	29 - 29%	0.1478	0.07
JMEV01000000	JMES01000000	27.9	3.019653	27.9 - 27.9	0.1542	0.04
JMEV01000000	JMER01000000	28.1	3.016526	28.1 - 28.1	0.1533	0.04
JMEV01000000	JMET01000000	29.2	3.062625	29.2 - 29.2	0.1467	0.07
JMEV01000000	JMEQ01000000	27.9	3.019977	27.9 - 27.9	0.1545	0.04

JMEV01000000	JMEP01000000	29.2	3.061572	29.2 - 29.2	0.1465	0.08
JMEV01000000	JMEO01000000	29.1	3.03946	29.1 - 29.1	0.1474	0.07
JMEV01000000	JMEN01000000	29	3.035506	29 - 29%	0.1477	0.07
JMEV01000000	CAPS00000000	30.7	3.018599	30.7 - 30.7	0.1381	0.14
Group E2-4						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
BAOX01000000	JOKB01000000	21.3	2.821507	21.3 - 21.3	0.2064	0
BAOX01000000	ARTN00000000	20.9	2.826377	20.9 - 21%	0.2097	0
BAOX01000000	ARND00000000	-9999			-9999	
BAOX01000000	JMEX01000000	21.2	2.825755	21.2 - 21.3	0.2066	0
BAOX01000000	JMEW01000000	21.3	2.817231	21.3 - 21.3	0.2058	0
BAOX01000000	JMFF01000000	21	2.815155	21 - 21%	0.2092	0
BAOX01000000	JMFE01000000	21.4	2.825742	21.4 - 21.4	0.2054	0
BAOX01000000	JMEV01000000	46.5	3.124931	46.5 - 46.5	0.0803	10.83
BAOX01000000	NZ_CP010797.1	45	3.200654	45 - 45%	0.0844	8.17
BAOX01000000	JMFC01000000	45	3.157344	45 - 45%	0.0842	8.25
BAOX01000000	JMFD01000000	31.8	3.033918	31.8 - 31.8	0.1327	0.22
BAOX01000000	JMFA01000000	32.1	3.027924	32.1 - 32.1	0.1315	0.24
BAOX01000000	JMEZ01000000	31.9	3.02665	31.9 - 31.9	0.132	0.23
BAOX01000000	JMEM01000000	31.9	3.02298	31.9 - 31.9	0.1321	0.23
BAOX01000000	JZIS01000000	28.7	3.010007	28.7 - 28.7	0.1496	0.06
BAOX01000000	AXVF00000000	28.5	3.006439	28.5 - 28.5	0.1505	0.06
BAOX01000000	LFDS01000000	28.4	3.008569	28.4 - 28.4	0.1511	0.05
BAOX01000000	JMEY01000000	28	3.006953	28 - 28%	0.1539	0.04
BAOX01000000	JMEU01000000	28	3.005871	28 - 28%	0.1538	0.04
BAOX01000000	JMES01000000	28.7	3.007533	28.7 - 28.7	0.1497	0.06
BAOX01000000	JMER01000000	28.6	3.00579	28.6 - 28.6	0.15	0.06
BAOX01000000	JMET01000000	28.1	3.005423	28.1 - 28.1	0.1529	0.05
BAOX01000000	JMEQ01000000	28.2	3.005574	28.2 - 28.2	0.1526	0.05
BAOX01000000	JMEP01000000	28.1	3.005423	28.1 - 28.1	0.153	0.05
BAOX01000000	JMEO01000000	28.1	3.005776	28.1 - 28.1	0.1529	0.05
BAOX01000000	JMEN01000000	28	3.00574	28 - 28%	0.1539	0.04
BAOX01000000	CAPS00000000	31.1	3.007535	31.1 - 31.1	0.1361	0.17
Group E2-5						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
NZ_CP010797.1	JOKB01000000	20.2	2.875993	20.2 - 20.2	0.2175	0
NZ_CP010797.1	ARTN00000000	20.1	2.903683	20.1 - 20.1	0.2183	0
NZ_CP010797.1	ARND00000000	-9999			-9999	
NZ_CP010797.1	JMEX01000000	20.2	2.892591	20.2 - 20.2	0.2179	0
NZ_CP010797.1	JMEW01000000	20.3	2.886779	20.3 - 20.3	0.2168	0
NZ_CP010797.1	JMFF01000000	20.2	2.886077	20.1 - 20.2	0.2181	0
NZ_CP010797.1	JMFE01000000	20.2	2.885661	20.2 - 20.2	0.2173	0
NZ_CP010797.1	JMEV01000000	42.4	3.220153	42.4 - 42.4	0.0917	4.82
NZ_CP010797.1	BAOX01000000	45	3.200654	45 - 45%	0.0844	8.17
NZ_CP010797.1	JMFC01000000	87.2	2.909668	87.2 - 87.2	0.0152	94.75
NZ_CP010797.1	JMFD01000000	31.6	3.177853	31.6 - 31.6	0.1339	0.2
NZ_CP010797.1	JMFA01000000	31.5	3.121973	31.4 - 31.5	0.1345	0.19
NZ_CP010797.1	JMEZ01000000	31.5	3.148921	31.5 - 31.5	0.1343	0.19

NZ_CP010797.1	JMEM01000000	31.4	3.133552	31.4 - 31.4	0.1346	0.19
NZ_CP010797.1	JZIS01000000	27.5	3.077759	27.5 - 27.5	0.157	0.03
NZ_CP010797.1	AXVF00000000	27.4	3.062715	27.4 - 27.4	0.1576	0.03
NZ_CP010797.1	LFDS01000000	27.4	3.083969	27.4 - 27.4	0.1576	0.03
NZ_CP010797.1	JMEY01000000	27.4	3.026672	27.4 - 27.4	0.1576	0.03
NZ_CP010797.1	JMEU01000000	27.2	3.027126	27.2 - 27.2	0.1591	0.03
NZ_CP010797.1	JMES01000000	27.3	3.041463	27.3 - 27.3	0.1579	0.03
NZ_CP010797.1	JMER01000000	27.3	3.032581	27.3 - 27.3	0.158	0.03
NZ_CP010797.1	JMET01000000	27.4	3.057615	27.4 - 27.4	0.1573	0.03
NZ_CP010797.1	JMEQ01000000	27.3	3.057156	27.3 - 27.3	0.1582	0.03
NZ_CP010797.1	JMEP01000000	27.4	3.056768	27.4 - 27.4	0.1575	0.03
NZ_CP010797.1	JMEO01000000	27.2	3.031559	27.2 - 27.2	0.1586	0.03
NZ_CP010797.1	JMEN01000000	27.3	3.030267	27.3 - 27.3	0.1584	0.03
NZ_CP010797.1	CAPS00000000	29.6	3.022032	29.6 - 29.7	0.1441	0.09
Group E2-6						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
JMFD01000000	JOKB01000000	20.6	2.840616	20.6 - 20.6	0.2134	0
JMFD01000000	ARTN00000000	20.4	2.854134	20.4 - 20.4	0.2157	0
JMFD01000000	ARND00000000	-9999			-9999	
JMFD01000000	JMEX01000000	20.5	2.848266	20.5 - 20.5	0.2142	0
JMFD01000000	JMEW01000000	20.6	2.849756	20.6 - 20.6	0.2134	0
JMFD01000000	JMFF01000000	20.4	2.845946	20.4 - 20.4	0.2149	0
JMFD01000000	JMFE01000000	20.6	2.854172	20.6 - 20.6	0.2138	0
JMFD01000000	JMEV01000000	32.9	3.084305	32.9 - 32.9	0.1274	0.32
JMFD01000000	BAOX01000000	31.8	3.033918	31.8 - 31.8	0.1327	0.22
JMFD01000000	NZ_CP010797.1	31.6	3.177853	31.6 - 31.6	0.1339	0.2
JMFD01000000	JMFC01000000	31.5	3.132992	31.5 - 31.5	0.1342	0.19
JMFD01000000	JMFD01000000	100	0.002646	100 - 100%	0	98.3
JMFD01000000	JMFA01000000	87	3.114755	87 - 87%	0.0154	94.64
JMFD01000000	JMEZ01000000	69.6	3.294275	69.6 - 69.6	0.0367	77.55
JMFD01000000	JMEM01000000	68	3.345255	68 - 68%	0.039	74.38
JMFD01000000	JZIS01000000	28.1	3.056643	28.1 - 28.1	0.1534	0.04
JMFD01000000	AXVF00000000	28.1	3.050903	28.1 - 28.1	0.1531	0.05
JMFD01000000	LFDS01000000	28.3	3.081406	28.3 - 28.3	0.1522	0.05
JMFD01000000	JMEY01000000	28.5	3.041157	28.5 - 28.5	0.1507	0.05
JMFD01000000	JMEU01000000	28.1	3.032277	28.1 - 28.1	0.1533	0.04
JMFD01000000	JMES01000000	28.2	3.045261	28.2 - 28.2	0.1525	0.05
JMFD01000000	JMER01000000	28.1	3.034748	28.1 - 28.1	0.1531	0.05
JMFD01000000	JMET01000000	28.2	3.045535	28.2 - 28.2	0.1527	0.05
JMFD01000000	JMEQ01000000	28	3.043152	28 - 28%	0.1535	0.04
JMFD01000000	JMEP01000000	28.2	3.044245	28.2 - 28.2	0.1527	0.05
JMFD01000000	JMEO01000000	28	3.029697	28 - 28%	0.1538	0.04
JMFD01000000	JMEN01000000	28	3.027513	28 - 28%	0.1535	0.04
JMFD01000000	CAPS00000000	30.9	3.022337	30.9 - 30.9	0.1375	0.15
Group E2-7						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
JMEN01000000	JOKB01000000	22.6	2.898779	22.6 - 22.6	0.1942	0
JMEN01000000	JMEY01000000	80.8	3.204293	80.8 - 80.8	0.0225	91.16

JMEN01000000	JMFD01000000	28	3.027513	28 - 28%	0.1535	0.04
JMEN01000000	JMEX01000000	23.1	2.906309	23.1 - 23.1	0.1896	0
JMEN01000000	JMEW01000000	22.5	2.893871	22.5 - 22.5	0.1946	0
JMEN01000000	JMEU01000000	80.5	2.969147	80.5 - 80.5	0.0227	90.98
JMEN01000000	JMES01000000	78.2	3.267375	78.2 - 78.2	0.0255	89.1
JMEN01000000	JMER01000000	79.3	3.320445	79.3 - 79.3	0.0242	90.03
JMEN01000000	JMFF01000000	22.2	2.889654	22.2 - 22.2	0.1977	0
JMEN01000000	JMFE01000000	22.6	2.898558	22.6 - 22.6	0.1937	0
JMEN01000000	JMFC01000000	28.2	3.04425	28.2 - 28.2	0.1523	0.05
JMEN01000000	JMFA01000000	28.8	3.051789	28.8 - 28.8	0.1488	0.06
JMEN01000000	JMEZ01000000	28.5	3.02761	28.5 - 28.5	0.1508	0.05
JMEN01000000	JMEV01000000	29	3.035506	29 - 29%	0.1477	0.07
JMEN01000000	JMET01000000	80.7	2.688965	80.7 - 80.7	0.0225	91.12
JMEN01000000	JMEQ01000000	81.4	3.111312	81.4 - 81.4	0.0218	91.58
JMEN01000000	JMEP01000000	80.7	2.692911	80.7 - 80.7	0.0225	91.13
JMEN01000000	JMEO01000000	82.4	2.724175	82.4 - 82.4	0.0206	92.26
JMEN01000000	JMEM01000000	29.4	3.048811	29.4 - 29.4	0.1453	0.08
JMEN01000000	LFDS01000000	79.1	3.080221	79.1 - 79.1	0.0244	89.9
JMEN01000000	ARTN00000000	20.3	2.869777	20.3 - 20.4	0.216	0
JMEN01000000	ARND00000000	-9999			-9999	
JMEN01000000	AXVF00000000	80.8	2.862236	80.8 - 80.8	0.0224	91.17
JMEN01000000	CAPS00000000	26.9	3.01071	26.9 - 26.9	0.1606	0.03
JMEN01000000	BAOX01000000	28	3.00574	28 - 28%	0.1539	0.04
JMEN01000000	JZIS01000000	80.1	3.123756	80.1 - 80.1	0.0233	90.65
JMEN01000000	NZ_CP010797.1	27.3	3.030267	27.3 - 27.3	0.1584	0.03
Group E2-8						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
CAPS00000000	JOKB01000000	21.6	2.830852	21.6 - 21.6	0.2032	0
CAPS00000000	ARTN00000000	20.6	2.828702	20.6 - 20.6	0.2136	0
CAPS00000000	ARND00000000	-9999			-9999	
CAPS00000000	JMEX01000000	21.5	2.839691	21.5 - 21.5	0.2038	0
CAPS00000000	JMEW01000000	21.5	2.840446	21.5 - 21.5	0.2042	0
CAPS00000000	JMFF01000000	21.1	2.835341	21.1 - 21.1	0.2083	0
CAPS00000000	JMFE01000000	21.6	2.84452	21.6 - 21.6	0.2032	0
CAPS00000000	JMEV01000000	30.7	3.018599	30.7 - 30.7	0.1381	0.14
CAPS00000000	BAOX01000000	31.1	3.007535	31.1 - 31.1	0.1361	0.17
CAPS00000000	NZ_CP010797.1	29.6	3.022032	29.6 - 29.7	0.1441	0.09
CAPS00000000	JMFC01000000	29.7	3.015213	29.7 - 29.7	0.1437	0.09
CAPS00000000	JMFD01000000	30.9	3.022337	30.9 - 30.9	0.1375	0.15
CAPS00000000	JMFA01000000	30.9	3.024549	30.9 - 30.9	0.1374	0.15
CAPS00000000	JMEZ01000000	30.8	3.015266	30.8 - 30.8	0.1379	0.15
CAPS00000000	JMEM01000000	30.8	3.01487	30.8 - 30.8	0.1377	0.15
CAPS00000000	JZIS01000000	27.1	3.015674	27.1 - 27.1	0.1597	0.03
CAPS00000000	AXVF00000000	26.9	3.013666	26.9 - 26.9	0.1605	0.03
CAPS00000000	LFDS01000000	26.9	3.01572	26.9 - 26.9	0.1609	0.02
CAPS00000000	JMEY01000000	26.8	3.005878	26.8 - 26.8	0.1615	0.02
CAPS00000000	JMEU01000000	26.8	3.007005	26.8 - 26.8	0.1616	0.02
CAPS00000000	JMES01000000	26.9	3.011975	26.9 - 26.9	0.1606	0.03
CAPS00000000	JMER01000000	27.1	3.012532	27.1 - 27.1	0.1593	0.03

CAPS00000000	JMET01000000	26.9	3.013386	26.9 - 26.9	0.161	0.02
CAPS00000000	JMEQ01000000	26.6	3.009438	26.6 - 26.6	0.1626	0.02
CAPS00000000	JMEP01000000	26.9	3.012704	26.9 - 26.9	0.1609	0.02
CAPS00000000	JMEO01000000	26.9	3.009852	26.9 - 26.9	0.1606	0.03
CAPS00000000	JMEN01000000	26.9	3.01071	26.9 - 26.9	0.1606	0.03
Group F-1						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
LPZL00000000	JMLQ01000000	21.3	2.34	21.3 - 21.3	0.2064	0
LPZL00000000	JXQS01000000	20.6	2.32	20.6 - 20.6	0.2134	0
LPZL00000000	LPZO00000000	43.7	2.54	43.7 - 43.7	0.088	6.32
Group G-3						
Query genome	Reference genome	DDH	Model C.I.	Bootstrap (	Distance	Prob. DDH >= 70%
AODO00000000	JMLO01000000	21.2	2.921555	21.2 - 21.2	0.2073	0
AODO00000000	CVQP01000000	27.7	3.020569	27.7 - 27.7	0.1556	0.04

Supplementary Table 4. A list of group A specific genes

Locus tag	**Function**	**Protein Sequence**	**Nucleotide sequence**
ch56_peg917	hypothetical protein	MRIRHLIAAVPVALLVLTGCSDGGDSDPKDTKNDAGETTITAEAGADAQETAVSVMCAQVVAYLDATQQQAESTGQPFDRDAKGAEFLDMLKANGGTVVAAYNQQAVAAGEPTLDPATATWEDVPAEARELIEQSVQSGISGSC	atgcgcattcgacatctgatcgccgccgtccccgtcgccctgctggtcctcaccggctgcagtgacggtggcgactcggacccgaaggacaccaagaacgacgcgggcgagaccaccatcacggccgaggccggcgccgacgcccaggagaccgcggtctcggtgatgtgcgcgcaggtggtggcctacctcgacgcgacgcagcagcaggccgagagcaccgggcagccgttcgaccgggatgcgaagggcgccgagttcctcgacatgctgaaggcgaacggcggcaccgtggtggcggcgtacaaccagcaggcggtggcggccggtgagccgacgctcgatccggcgaccgcgacgtgggaggacgtgccggccgaggcccgtgagctcatcgagcagtcggtgcagtccgggatctccggcagctgctga
ch56_peg2696	hypothetical protein	MIDDADITAHLTDEVRALPYPGRWSNPPFAGDGAAVIARDGDLTELRVDRRAGRVDWVDLQTGAGQMLAPSLRVLGALAAAYATALRDTRGAGDRALRRIERTFLDSVRTVSADLAADGTFWATAAEELGDGVLGGDDLPEPLTVVPAGGSTVVIAMPMLRLHRALADEGLTLSDYRSAVSYVTLSDDLDTTLANTARPGAQASGPARVLVVDGQSPLTADALAFPALRTLILVEPATLPEHLAAAAAALAVVTVGPREPFARIADLLAHHAV	atgatcgacgacgccgacatcacggcgcacctgaccgacgaggtgcgggcgctcccctatccggggcggtggtcgaatcctccgttcgcgggtgacggcgcggcggtgatcgcccgcgacggcgacctgacggagttgcgcgtcgaccggcgggccggtcgcgtcgactgggtggatctgcagaccggagccgggcagatgctcgcaccgtcgctgcgcgtcctcggggcgctcgcggcggcgtacgcgacagcattacgggacacccgaggagccggcgaccgcgcgctgcgtcgcatcgagcggacgttcctcgattccgtccgcacggtgtccgccgatctggccgccgacggcacgttctgggccaccgcggcggaggaactcggcgacggtgtgctcggcggtgacgacctccccgaaccgctcaccgtggtaccggcgggcgggtcgaccgtcgtcatcgcgatgccgatgctgcggctgcaccgggcgctcgccgacgagggactcaccctgtccgactaccgctccgcggtgtcgtacgtgacgctgtccgacgacctcgacaccacactggcgaacacagcccgccccggtgcacaggcgtcgggaccggcccgggtgctcgtcgtcgacgggcagagcccgctcaccgccgacgccctcgcctttccggcgctacggacgctgatcctcgtcgagcccgccacactgccggagcatctcgccgcagccgccgcggccctcgcggtggtgaccgtcggcccccgcgaaccgttcgcccggatcgccgatctcctcgcccaccacgcagtctga

Locus tag	**Function**	**Protein Sequence**	**Nucleotide sequence**
ch56_peg2789	hypothetical protein	MAGGRKRHVAGAAAAGALAVAGTFGAAPAAATVTGQGDVRTFGNSILVTMLNIDSTTDAPTRCATVVFDTAGRPVITDLQEIYDGGLGIWWTTMPTETLHLAGQYTGSADYRVTTECRDDDGVVRLADTVVTLPEGELVGNPPRYSELFGPF	atggccggaggacggaaacggcacgtcgcgggggccgccgcggcgggtgcactcgcggtggccgggacattcggtgcagcgccggccgcggcgacggtgaccgggcagggcgacgtgcgcaccttcggcaactcgatcctcgtgacgatgctgaacatcgactccaccaccgacgcaccgacgcggtgcgcgaccgtcgtcttcgacaccgccggccgacccgtgatcaccgatctgcaggagatctacgacggtggactcggcatctggtggaccacgatgcccaccgagacactccatctcgcggggcagtacacgggcagcgccgattaccgcgtcaccaccgagtgccgggacgacgacggtgtcgtgcgactggccgacaccgtcgtcaccctgcccgagggcgaactcgtcgggaacccgccccggtactcggaactgttcgggccgttctag
ch56_peg2885	hypothetical protein	LDRRFHDRFLHVFGRRLIGHVFSSSPRARPSVCLSNVTRPRGGDGCVLVPRARDCLVSLHVLHSVRYHCRIARCLAGWRRSTAHAPDRSRPERLLIQRASRDRDYLY	ttggaccgacgcttccacgatcggttcctgcacgttttcgggcggcgcttgatcggccacgtattctcctcgagcccccgggcgcgtccatccgtctgtctgtcgaatgtgacgcggccgcgcgggggcgatggttgtgtactcgtacctcgggcacgagattgtctggtctcgctccacgtactccacagtgtccgttatcactgcagaatcgcgcggtgcctggctggatggcggcgatccacggcgcatgcgcctgaccgttcacggcccgagcgcctgctcatccagcgtgcctcacgtgacagggattacctgtactga
ch56_peg4192	hypothetical protein	MNRQTIEHRGWVVAAAAATAVASGLLGAAVAGGDDQAESNPATLTTEEEGTDSPEDPSGLEQTNSFGYIPEHETTLETDPIGPEGGGIEDDPFELGGGRIDPAVVVPVPADATLTTPAG	atgaatcgacagacgatcgagcaccgcggctgggtggtcgcggcagcggccgccacggccgtcgcatcgggactgctcggggccgccgtcgccggaggcgacgaccaggccgagtcgaatcccgccacgctcaccaccgaggaggaaggcaccgactcgccggaggacccgagcggtctcgagcagaccaattccttcggctacatccccgagcacgagacgaccctcgagaccgatcccatcggaccggagggtggcggcatcgaggacgacccgttcgaactcggcggcgggcgcatcgacccggccgtcgtcgtcccggtgcccgcagacgcgaccctcaccaccccggccggttga