

SUPPLEMENTARY INFORMATION FOR

Salgado, L., Canudo, J.I. Garrido, A.C., Moreno Azanza, M., Martínez, L., Coria, R.A., and Gasca, J.M. 2016.

A new primitive Neornithischia dinosaur from the Jurassic of Patagonia with gut contents.

**This PDF file includes:**

Institutional abbreviations

Data Matrix

Supplementary figures

**Supplementary Information** is linked to the online version of the paper at

[www.nature.com/nature](http://www.nature.com/nature).

**Institutional Abbreviations:**

BMNH, Natural History Museum, London, UK.

MOZ-Pv, 'Prof. Dr. Juan A. Olsacher' Natural Sciences Museum, Zapala, Neuquén, Argentina.

NCSM, North Carolina Museum of Natural History, USA.

ZDM, Zigong Dinosaur Museum, Dashanpu, China.

Figure S1. Phylogenetic position of *Isaberrysaura mollensis* gen. et sp. nov. Reduced strict consensus obtained after including the Argentinian taxon in the current iteration of the Butler et al. dataset after Baron et al. Numbers over branches are Bremer support values over 1. Numbers below branches represent bootstrap support values over 50.

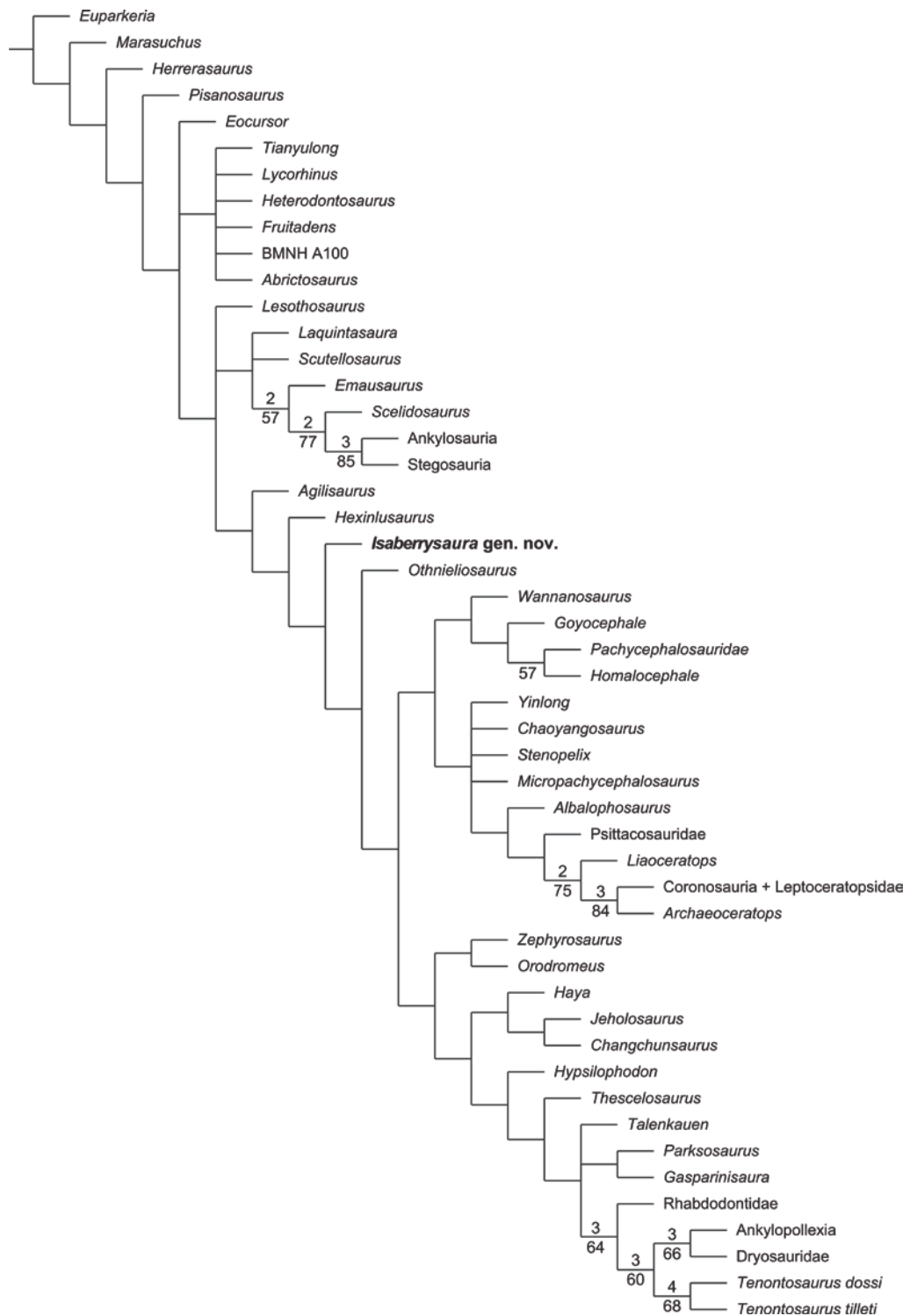
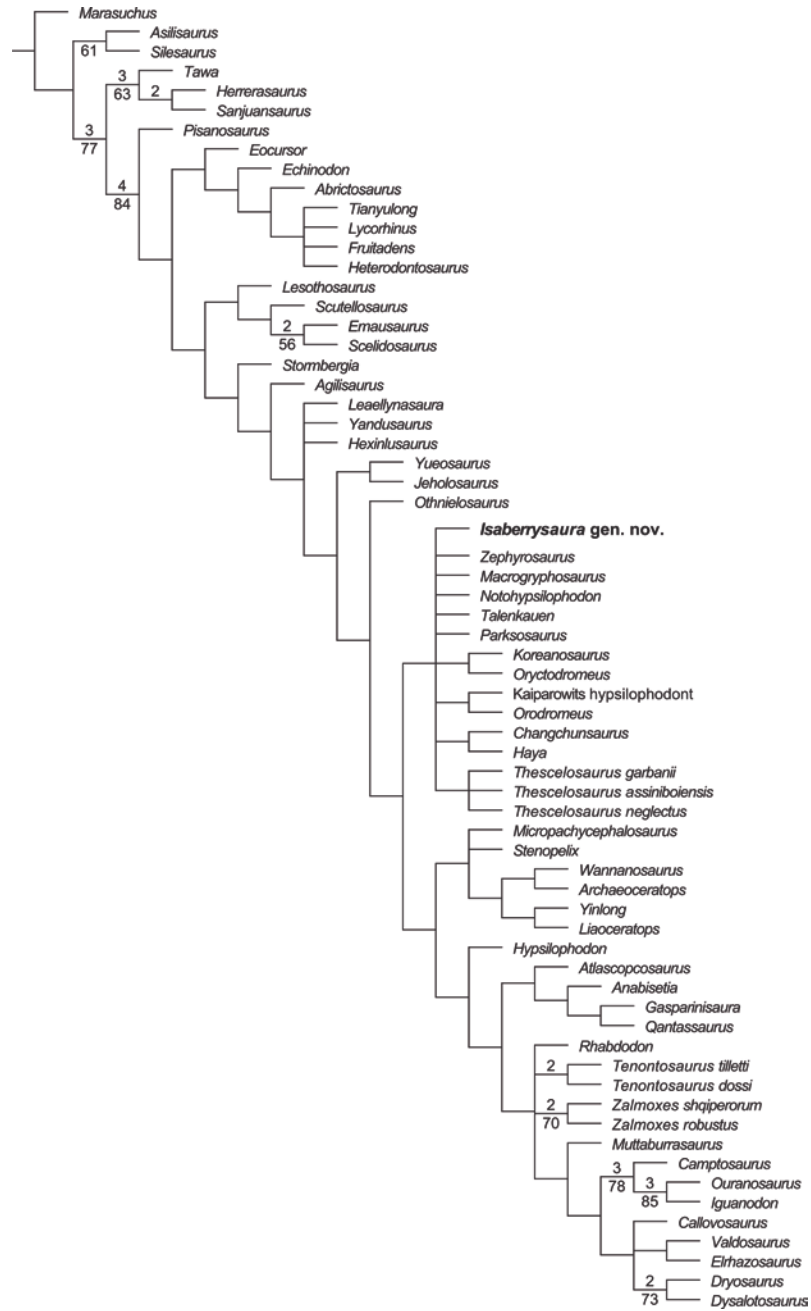


Figure S2. Phylogenetic position of *Isaberrysaura mollensis* gen. et sp. nov. Strict consensus obtained after including the Argentinian taxon in the current iteration of the Boyd et al.<sup>27</sup>. Numbers over branches are Bremer support values over 1. Numbers below branches represent bootstrap support values over 50.



Supp C1. TNT file containing the dataset of Butler et al.<sup>17</sup> after Barrett<sup>15</sup> plus coding for *Isaberrysaura mollensis* gen. et sp. nov.

"nstates 8 ; "

xread 'Data from Salgado et al.'

227 57

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Herrerasaurus\_ 000??000000000?110100100000000??000?0000000010000000000000000000100000??000000100?  
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Hexinlusaurus\_multidens ?00??0?????????011000??10?10000100?0000000000000?1000?00000?00000??  
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Othnieliosaurus\_consors  
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00??????0?0??1110?00?0??1?1?0?0?013?000?011010010000?????????01000000?1111110000011110?  
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Anabisetia\_saldiviai ??????????????????????  
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Hypsilophodon\_foxii 000??1001110110000110010010010000100?0000000000000011000000111010000??  
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1211110000011110?00111110131200001111000110110000100001  
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Haya\_griva 0?0??10001?011011011001001001001010000000001010010011000000111010000??  
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Yueosaurus  
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-[/1 215 -[/1 216 -[/1 217 -[/1 218 -[/1 219
-[/1 220 -[/1 221 -[/1 222 -[/1 223 -[/1 224
" -[/1 225 -[/1 226 ;"
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"Hold 50000;"
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"proc/;"
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Supp C2. TNT file containing the dataset of Butler et al., 2008 after Baron et al., 2016 plus coding for *Isaberrysaura mollensis* gen. et sp. nov.







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-[/1 150 -[/1 151 -[/1 152 -[/1 153 -[/1 154
-[/1 155 -[/1 156 -[/1 157 -[/1 158 -[/1 159
-[/1 160 -[/1 161 -[/1 162 -[/1 163 -[/1 164
-[/1 165 -[/1 166 -[/1 167 -[/1 168 -[/1 169
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-[/1 175 -[/1 176 -[/1 177 -[/1 178 -[/1 179
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-[/1 185 -[/1 186 -[/1 187 -[/1 188 -[/1 189
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-[/1 210 -[/1 211 -[/1 212 -[/1 213 -[/1 214
-[/1 215 -[/1 216 -[/1 217 -[/1 218 -[/1 219
-[/1 220 -[/1 221 -[/1 222 -[/1 223 -[/1 224
" -[/1 225 -[/1 226 -[/1 227 ;"
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xgroup

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agroup

=0 (Wildcard) 6 20 26 51 52

=1 (Stable) 0 1 2 3 4 5 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41

42 43 44 45 46 47 48 49 50 53 54

"; "

"blocks 0; "

"proc/;"

Supp C3. TNT file containing the dataset of Boyd, 2015 plus coding for *Isaberrysaura mollensis*  
gen. et sp. nov.









Qantassaurus ???  
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400100010??  
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Anabisetia ?????????????????111?0??  
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01??01010111010?01??1??00201??011111?0001?11?011001011?0?1121011????000100001?1100100???  
10??11010101?11?21?11111010011100110001212?1111011221030??????11?001100011000?  
T.\_tilletti 1??0??????????1?0??0??001110??1100??1??0??0??00?1001??1001?1?01??101??1?0?12?  
11??1?11?0?01??10020?1?01??011111?001?11?011001011?0?112101110?1000100001?1100100000101??  
110101011102011110010000100110001212011110102210300021111100A0100011000?  
Rhabdodon ??????????????0??0????????????????????????????????????0????000?0????????????????????111?111??  
110?????????????0?????100??????????0?1111??101?11?01??11?0??1??10111????0?000????10101?????????  
1??0????1??2?????10?0?1?111?110001??00?1?10??01?012???201?1??1?????00?  
Muttaburrasaurus ??????????0?1?0??110?10?001?100000110?0?0?01??1??0??0??1?10????????????11???  
1?????1?0?????1?0?0??1?????????1??10?11??0?11??1??0??1?011??1?2?????????00?0?????0?10100?????0?  
1101?1?1?1?2??111?????????1?01100012120110101??21?1?0101?1??01?1?0?0??00?  
Elrhazosaurus  
??  
??  
00011000121?101200?????0????????????????????????  
Dysalotosaurus 010020??00?10011110010100110100001101000010011?0101010100??000?  
11110111011011110110?11010110010000?11102211?0??21????11?1111011?0110010011??112?01121??00?  
010?0??11010????10??1101010111121111010101?10101100112121011101??2103?31?11?0?00?  
1110110000  
Dryosaurus 010020??00?10011110010000010100001101000010010?0101000100??1000?  
11110112111011110100?11010110010000?111002011?011?211111111?111011?0111010?111?1?2101120?100?  
01?????011000?0??10??11010101110211110A0101?10101100112121010101002103?310111111?  
001110110000  
Callovosaurus  
??  
??  
000110001112101110????????????????????????????  
Valdosaurus  
??  
????????????????????????????????????121?????????????????????????????????????1????2?12??001?11?  
00011000121210121000221130??1011?011??1??????  
Camptosaurus 1101?????????00?1????????001111??101?0?10?????0??0?1011011?0011101?2?01?1??111??1?  
111??11??1?00?0110??0012001?0??111111??011?11??1?100?0??1??211111?000?110??01101111??  
101??1?000??1??0??1??1A?1?1?11001?0001??01111?11??0?0012??0??1??100??1???  
Iguanodon 1101?????????0??1?????????0121??100??210??1??1??1011001?0?11111?2?01?1??110??1?  
211??1?????0??111??000220??0??111111?011?11??1?200??1??1??21111?200?210?????1210111?  
111??1?010??1??1?????11?1?110?1?0101??01131?11??15?012??201?1??111??1??  
Ouranosaurus 110?????????0??1?????????0120??1?0??210??1??1??1001?0??0011111?2????0??10?????  
111?????????????111??00002??0??1??  
1?????????????????1??1?1??0?0?01??0?????1??140012??2?????1???????

Isaberrysaura 11??11?0????11?0??1100110100202?00?01?????10?01?????????????0?101?  
0?????????????????????0101?00?????????????????000?001?00010002000111?0?0?  
00???0?0001????  
1??11001  
"; "

"Hold 50000;"  
"proc/;"

Supp C4. TNT scripts used to calculate the Templeton tests.

## FILE: templeloop.run

```
macro - ;
macro [2000 ;
macro * 15 40000 ;
macro = ;
/*****/
/*This TNT script is an updated version of the script */
/* written by Alexander N. Schmidt-Lebuhn to */
/*implement the Templeton Test */
/*Templeton AR 1983, Evolution 37(2): 221-244 */
/*This new version of the script allows to choose which*/
/*tree topologies to compare at random from the */
/*most parsimonious trees */
/* */
/*To run the test, load the matrix on TNT, and conduct*/
/*a normal unconstrained search, saving the resulting */
/*trees to a parenthetical tree file named mpt.tre, */
/*Then, conduct a constrained search that produces the*/
/*set of topologies to be tested, and save it in a */
/*parenthetical tree file named cons.tre. Edit the */
/*templeloop.run script to set the number of */
/*replications to run (1000 by default) and run the */
/*script. It will generate an file named results.out */
/*with the results in the test in csv format. The last*/
/*column of the table will output a 0 if the test is */
/*non significant or a 1 the test is significant at */
/*any level and thus the constrained topologies can be */
/*rejected. M.Moreno-Azanza. Beta0.1 June 2016 */
```

```
/*Here follows the comments of the original script */
/* This TNT script implements the Templeton Test */
/* Templeton AR 1983, Evolution 37(2): 221-244 */
/*
*/
/* It assumes that the data matrix and two trees */
/* are in memory, that the first tree (number 0) is */
/* the better, and that the second tree is tested */
/* against it. It does not check if there is anything */
/* in memory or if the first tree is the better one, */
/* that is up to the user. Output is text produced by */
/* the quote command, so you may want to log it into */
/* a text file. */
/*
*/
/* The tables of critical values are hard-coded */
/* because it appeared to me as if TNT did not have */
/* the mathematical functions needed to estimate */
/* them. This means that the script does not produce */
/* exact P values, and that the test is limited to */
/* a maximum of 10,000 character differences in the */
/* data. */
/*
*/
/* The script has been tested against PAUP with three */
/* different pairs of trees and seems to produce the */
/* same results, but it is offered here without any */
/* guarantee or warranty of any kind whatsoever. */
/*
*/
/* If somebody finds errors in the script I would be */
/* grateful to be informed. If somebody can change */
/* the script to test several trees against the first */
/* that would be great, but for some reason whenever */
/* I added another loop around this script I got an */
```

```
/* unexpected end of file error and couldn't figure */
/* out why. I also wouldn't mind being acknowledged */
/* if somebody used the script for a paper. */
/*
/* Alexander N. Schmidt-Lebuhn */
/* alexander.s-l@csiro.au */
/*****/
```

```
/*generate results table*/
```

```
log results.out
```

```
quote Random MPT, Random constrained tree, Sum Negative ranks, Non zero scores, Rank
for significance at 0.05, Rank for significance at 0.025, Rank for significance at 0.001, Result,
```

```
;
```

```
log/;
```

```
/*the loop*/
```

```
loop 0 1000
```

```
p temple.run;
```

```
stop
```

```
p/;
```



## FILE temple.run

```
/* careful: variables are initiated with value 0 */
```

```
var:  wilc5[10000]
      wilc2_5[10000]
      wilc1[10000]
      charnumber
      diffs[(nchar+1)]
      nonzerodiffs
      thisdiff
      absdiffs[(nchar+1)]
      diffsrnk[(nchar+1)]
      howmanytrees
      swapbuffer
      startrankblock
      rankblocksum
      lookupwilc
      teststat randmpttree randcontree results;
```

```
/* hardcoded Wilcoxon table */
```

```
setarray 10000 wilc5 0 0 0 0 0 2 3 5 8 10 13 17 21 25 30 35 41 47 53 60 67 75 83 91 100 110
119 130 140 151 163 175 187 200 213 227 241 256 271 286 302 319 336 353 371 389 407 426
446 466 487 508 530 551 574 596 619 643 667 692 716 742 768 794 821 848 876 904 932 961
991 1021 1051 1082 1113 1145 1177 1210 1243 1277 1311 1346 1381 1416 1452 1488 1525
1563 1600 1639 1677 1717 1756 1796 1837 1878 1919 1961 2004 2047 2090 2134 2178 2223
2268 2314 2360 2406 2453 2501 2549 2597 2646 2696 2746 2796 2847 2898 2950 3002 3055
3108 3161 3215 3270 3325 3380 3436 3493 3550 3607 3665 3723 3782 3841 3901 3961 4022
4083 4144 4206 4269 4332 4395 4459 4523 4588 4654 4719 4786 4853 4920 4987 5056 5124
```

5193 5263 5333 5403 5474 5546 5618 5690 5763 5836 5910 5985 6059 6135 6210 6287 6363  
6440 6518 6596 6675 6754 6833 6913 6993 7074 7156 7238 7320 7403 7486 7570 7654 7739  
7824 7910 7996 8082 8169 8257 8345 8434 8523 8612 8702 8792 8883 8975 9066 9159 9251  
9345 9438 9533 9627 9722 9818 9914 10011 10108 10205 10303 10402 10501 10600 10700  
10801 10901 11003 11105 11207 11310 11413 11517 11621 11725 11831 11936 12042 12149  
12256 12364 12472 12580 12689 12798 12908 13019 13130 13241 13353 13465 13578 13691  
13805 13919 14034 14149 14265 14381 14497 14614 14732 14850 14969 15088 15207 15327  
15447 15568 15690 15812 15934 16057 16180 16304 16428 16553 16678 16804 16930 17056  
17184 17311 17439 17568 17697 17826 17956 18087 18218 18349 18481 18614 18746 18880  
19014 19148 19283 19418 19554 19690 19827 19964 20102 20240 20378 20517 20657 20797  
20938 21079 21220 21362 21505 21647 21791 21935 22079 22224 22369 22515 22661 22808  
22956 23103 23251 23400 23549 23699 23849 24000 24151 24302 24455 24607 24760 24914  
25068 25222 25377 25532 25688 25845 26002 26159 26317 26475 26634 26793 26953 27113  
27274 27435 27597 27759 27921 28085 28248 28412 28577 28742 28907 29073 29240 29407  
29574 29742 29911 30080 30249 30419 30589 30760 30931 31103 31275 31448 31621 31795  
31969 32144 32319 32495 32671 32847 33024 33202 33380 33558 33737 33917 34097 34277  
34458 34640 34822 35004 35187 35370 35554 35738 35923 36108 36294 36480 36667 36854  
37042 37230 37419 37608 37798 37988 38178 38369 38561 38753 38945 39138 39332 39526  
39720 39915 40111 40306 40503 40700 40897 41095 41293 41492 41691 41891 42091 42292  
42493 42695 42897 43100 43303 43506 43710 43915 44120 44326 44532 44738 44945 45153  
45361 45569 45778 45987 46197 46408 46618 46830 47042 47254 47467 47680 47894 48108  
48323 48538 48754 48970 49186 49404 49621 49839 50058 50277 50497 50717 50937 51158  
51380 51602 51824 52047 52270 52494 52719 52944 53169 53395 53621 53848 54075 54303  
54531 54760 54989 55219 55449 55680 55911 56143 56375 56607 56841 57074 57308 57543  
57778 58013 58249 58486 58723 58960 59198 59437 59676 59915 60155 60395 60636 60877  
61119 61362 61604 61848 62091 62336 62580 62826 63071 63317 63564 63811 64059 64307  
64556 64805 65054 65304 65555 65806 66057 66309 66562 66815 67068 67322 67577 67832  
68087 68343 68599 68856 69113 69371 69629 69888 70148 70407 70667 70928 71189 71451  
71713 71976 72239 72503 72767 73031 73297 73562 73828 74095 74362 74629 74897 75166  
75435 75704 75974 76244 76515 76787 77059 77331 77604 77877 78151 78425 78700 78975  
79251 79527 79804 80081 80359 80637 80916 81195 81475 81755 82035 82316 82598 82880  
83163 83446 83729 84013 84298 84583 84868 85154 85441 85728 86015 86303 86591 86880  
87169 87459 87750 88040 88332 88623 88916 89208 89502 89795 90090 90384 90680 90975  
91271 91568 91865 92163 92461 92759 93058 93358 93658 93959 94260 94561 94863 95166  
95468 95772 96076 96380 96685 96991 97296 97603 97910 98217 98525 98833 99142 99451  
99761 100071 100382 100693 101005 101317 101630 101943 102256 102571 102885 103200  
103516 103832 104149 104466 104783 105101 105420 105739 106058 106378 106699  
107019 107341 107663 107985 108308 108631 108955 109280 109605 109930 110256  
110582 110909 111236 111564 111892 112221 112550 112880 113210 113540 113872  
114203 114535 114868 115201 115535 115869 116203 116538 116874 117210 117546  
117883 118221 118559 118897 119236 119576 119916 120256 120597 120938 121280  
121622 121965 122309 122652 122997 123342 123687 124033 124379 124726 125073  
125420 125769 126117 126466 126816 127166 127517 127868 128220 128572 128924  
129277 129631 129985 130339 130694 131050 131406 131762 132119 132477 132835  
133193 133552 133911 134271 134632 134992 135354 135716 136078 136441 136804  
137168 137532 137897 138262 138628 138994 139361 139728 140096 140464 140832  
141202 141571 141941 142312 142683 143054 143427 143799 144172 144546 144920  
145294 145669 146045 146421 146797 147174 147551 147929 148308 148687 149066

149446 149826 150207 150588 150970 151352 151735 152118 152502 152886 153271  
153656 154042 154428 154815 155202 155590 155978 156366 156756 157145 157535  
157926 158317 158708 159101 159493 159886 160280 160674 161068 161463 161858  
162254 162651 163048 163445 163843 164241 164640 165040 165440 165840 166241  
166642 167044 167446 167849 168252 168656 169060 169465 169870 170276 170682  
171089 171496 171903 172312 172720 173129 173539 173949 174360 174771 175182  
175594 176007 176420 176833 177247 177662 178077 178492 178908 179325 179741  
180159 180577 180995 181414 181833 182253 182674 183094 183516 183937 184360  
184783 185206 185630 186054 186479 186904 187329 187756 188182 188609 189037  
189465 189894 190323 190753 191183 191613 192044 192476 192908 193341 193774  
194207 194641 195076 195511 195946 196382 196818 197255 197693 198131 198569  
199008 199447 199887 200328 200768 201210 201652 202094 202537 202980 203424  
203868 204313 204758 205204 205650 206097 206544 206991 207440 207888 208337  
208787 209237 209688 210139 210590 211042 211495 211948 212402 212856 213310  
213765 214221 214677 215133 215590 216047 216505 216964 217423 217882 218342  
218802 219263 219725 220186 220649 221112 221575 222039 222503 222968 223433  
223899 224365 224832 225299 225767 226235 226703 227173 227642 228112 228583  
229054 229526 229998 230471 230944 231417 231891 232366 232841 233316 233792  
234269 234746 235223 235701 236180 236659 237138 237618 238098 238579 239061  
239543 240025 240508 240991 241475 241959 242444 242929 243415 243901 244388  
244875 245363 245851 246340 246829 247319 247809 248300 248791 249283 249775  
250268 250761 251254 251748 252243 252738 253234 253730 254226 254723 255221  
255719 256217 256716 257216 257716 258216 258717 259218 259720 260223 260726  
261229 261733 262237 262742 263248 263753 264260 264767 265274 265782 266290  
266799 267308 267818 268328 268839 269350 269862 270374 270886 271400 271913  
272427 272942 273457 273973 274489 275005 275523 276040 276558 277077 277596  
278115 278635 279156 279677 280198 280720 281243 281766 282289 282813 283337  
283862 284388 284914 285440 285967 286494 287022 287550 288079 288609 289138  
289669 290199 290731 291262 291795 292327 292861 293394 293929 294463 294999  
295534 296070 296607 297144 297682 298220 298759 299298 299837 300377 300918  
301459 302000 302542 303085 303628 304172 304716 305260 305805 306350 306896  
307443 307990 308537 309085 309633 310182 310732 311282 311832 312383 312934  
313486 314038 314591 315144 315698 316252 316807 317362 317918 318474 319031  
319588 320146 320704 321263 321822 322382 322942 323503 324064 324625 325187  
325750 326313 326877 327441 328005 328570 329136 329702 330268 330835 331403  
331971 332539 333108 333678 334248 334818 335389 335960 336532 337105 337678  
338251 338825 339399 339974 340549 341125 341701 342278 342856 343433 344012  
344590 345170 345749 346330 346910 347491 348073 348655 349238 349821 350405  
350989 351574 352159 352744 353330 353917 354504 355092 355680 356268 356857  
357447 358037 358627 359218 359810 360402 360994 361587 362181 362775 363369  
363964 364559 365155 365752 366349 366946 367544 368142 368741 369340 369940  
370541 371141 371743 372344 372947 373549 374153 374756 375361 375965 376571  
377176 377782 378389 378996 379604 380212 380821 381430 382039 382650 383260  
383871 384483 385095 385707 386321 386934 387548 388163 388778 389393 390009  
390626 391243 391860 392478 393096 393715 394335 394955 395575 396196 396817  
397439 398062 398684 399308 399932 400556 401181 401806 402432 403058 403685  
404312 404940 405568 406197 406826 407456 408086 408717 409348 409979 410612  
411244 411877 412511 413145 413780 414415 415051 415687 416323 416960 417598

418236 418874 419513 420153 420793 421433 422074 422716 423358 424000 424643  
425287 425931 426575 427220 427865 428511 429158 429804 430452 431100 431748  
432397 433046 433696 434346 434997 435648 436300 436952 437605 438258 438912  
439566 440221 440876 441532 442188 442845 443502 444160 444818 445476 446136  
446795 447455 448116 448777 449439 450101 450763 451426 452090 452754 453418  
454083 454749 455415 456081 456748 457416 458084 458752 459421 460091 460760  
461431 462102 462773 463445 464117 464790 465464 466137 466812 467487 468162  
468838 469514 470191 470868 471546 472224 472903 473582 474262 474942 475623  
476304 476986 477668 478350 479034 479717 480401 481086 481771 482457 483143  
483829 484517 485204 485892 486581 487270 487959 488649 489340 490031 490722  
491414 492107 492800 493493 494187 494882 495577 496272 496968 497664 498361  
499059 499757 500455 501154 501853 502553 503253 503954 504655 505357 506060  
506762 507466 508169 508874 509578 510284 510989 511696 512402 513109 513817  
514525 515234 515943 516653 517363 518074 518785 519496 520208 520921 521634  
522348 523062 523776 524491 525207 525923 526640 527357 528074 528792 529511  
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538171 538896 539621 540347 541073 541800 542527 543255 543983 544712 545441  
546171 546902 547632 548364 549095 549827 550560 551293 552027 552761 553496  
554231 554967 555703 556440 557177 557914 558653 559391 560130 560870 561610  
562351 563092 563833 564575 565318 566061 566804 567548 568293 569038 569783  
570529 571276 572023 572770 573518 574267 575015 575765 576515 577265 578016  
578767 579519 580272 581025 581778 582532 583286 584041 584796 585552 586308  
587065 587822 588580 589338 590097 590856 591616 592376 593137 593898 594660  
595422 596185 596948 597711 598476 599240 600005 600771 601537 602304 603071  
603838 604606 605375 606144 606914 607684 608454 609225 609997 610769 611541  
612314 613088 613862 614636 615411 616186 616962 617739 618516 619293 620071  
620849 621628 622408 623188 623968 624749 625530 626312 627094 627877 628660  
629444 630228 631013 631798 632584 633370 634157 634944 635732 636520 637309  
638098 638888 639678 640469 641260 642051 642844 643636 644429 645223 646017  
646812 647607 648402 649198 649995 650792 651590 652388 653186 653985 654785  
655585 656385 657186 657988 658790 659592 660395 661198 662002 662807 663612  
664417 665223 666029 666836 667644 668451 669260 670069 670878 671688 672498  
673309 674120 674932 675744 676557 677370 678184 678998 679813 680628 681444  
682260 683077 683894 684712 685530 686349 687168 687987 688808 689628 690449  
691271 692093 692916 693739 694562 695386 696211 697036 697862 698688 699514  
700341 701169 701997 702825 703654 704484 705314 706144 706975 707806 708638  
709471 710304 711137 711971 712805 713640 714476 715312 716148 716985 717822  
718660 719498 720337 721176 722016 722857 723697 724539 725380 726223 727065  
727909 728752 729597 730441 731286 732132 732978 733825 734672 735520 736368  
737217 738066 738915 739766 740616 741467 742319 743171 744023 744877 745730  
746584 747439 748294 749149 750005 750862 751719 752576 753434 754293 755152  
756011 756871 757732 758593 759454 760316 761178 762041 762905 763768 764633  
765498 766363 767229 768095 768962 769829 770697 771566 772434 773304 774173  
775044 775914 776786 777657 778530 779402 780276 781149 782024 782898 783773  
784649 785525 786402 787279 788157 789035 789914 790793 791672 792552 793433  
794314 795196 796078 796960 797843 798727 799611 800495 801380 802266 803152  
804038 804925 805813 806701 807589 808478 809368 810258 811148 812039 812931  
813822 814715 815608 816501 817395 818289 819184 820080 820975 821872 822769

823666 824564 825462 826361 827260 828160 829060 829961 830862 831764 832666  
833569 834472 835376 836280 837185 838090 838995 839902 840808 841715 842623  
843531 844440 845349 846259 847169 848079 848990 849902 850814 851727 852640  
853553 854467 855382 856297 857212 858128 859045 859962 860879 861797 862716  
863635 864554 865474 866394 867315 868237 869159 870081 871004 871927 872851  
873776 874700 875626 876552 877478 878405 879332 880260 881188 882117 883046  
883976 884906 885837 886768 887700 888632 889565 890498 891432 892366 893301  
894236 895172 896108 897045 897982 898919 899857 900796 901735 902675 903615  
904556 905497 906438 907380 908323 909266 910209 911153 912098 913043 913989  
914935 915881 916828 917776 918723 919672 920621 921570 922520 923471 924422  
925373 926325 927277 928230 929184 930138 931092 932047 933002 933958 934914  
935871 936828 937786 938745 939703 940663 941622 942583 943544 944505 945467  
946429 947392 948355 949318 950283 951247 952213 953178 954144 955111 956078  
957046 958014 958983 959952 960921 961892 962862 963833 964805 965777 966750  
967723 968696 969670 970645 971620 972595 973571 974548 975525 976502 977480  
978459 979438 980417 981397 982378 983359 984340 985322 986304 987287 988271  
989255 990239 991224 992209 993195 994181 995168 996156 997143 998132 999121  
1000110 1001100 1002090 1003081 1004072 1005064 1006056 1007049 1008042 1009036  
1010030 1011025 1012020 1013016 1014012 1015009 1016006 1017003 1018002 1019000  
1019999 1020999 1021999 1023000 1024001 1025003 1026005 1027007 1028010 1029014  
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17755156 17759339 17763523 17767708 17771892 17776078 17780263 17784450 17788637  
17792824 17797012 17801200 17805389 17809578 17813768 17817958 17822149 17826340  
17830532 17834724 17838917 17843110 17847304 17851498 17855693 17859888 17864084  
17868280 17872476 17876674 17880871 17885070 17889268 17893467 17897667 17901867  
17906068 17910269 17914471 17918673 17922875 17927078 17931282 17935486 17939691  
17943896 17948101 17952308 17956514 17960721 17964929 17969137 17973345 17977554  
17981764 17985974 17990185 17994396 17998607 18002819 18007032 18011245 18015458  
18019672 18023887 18028102 18032317 18036533 18040750 18044967 18049184 18053402  
18057621 18061839 18066059 18070279 18074499 18078720 18082942 18087164 18091386  
18095609 18099832 18104056 18108281 18112505 18116731 18120957 18125183 18129410  
18133637 18137865 18142093 18146322 18150552 18154781 18159012 18163243 18167474  
18171706 18175938 18180171 18184404 18188638 18192872 18197107 18201342 18205578  
18209814 18214051 18218288 18222526 18226764 18231003 18235242 18239482 18243722  
18247963 18252204 18256446 18260688 18264931 18269174 18273417 18277662 18281906  
18286151 18290397 18294643 18298890 18303137 18307385 18311633 18315881 18320131  
18324380 18328630 18332881 18337132 18341384 18345636 18349888 18354141 18358395  
18362649 18366903 18371159 18375414 18379670 18383927 18388184 18392441 18396699  
18400958 18405217 18409476 18413736 18417997 18422258 18426519 18430781 18435044  
18439307 18443570 18447834 18452099 18456363 18460629 18464895 18469161 18473428  
18477696 18481964 18486232 18490501 18494770 18499040 18503310 18507581 18511853  
18516125 18520397 18524670 18528943 18533217 18537491 18541766 18546042 18550317  
18554594 18558871 18563148 18567426 18571704 18575983 18580262 18584542 18588822  
18593103 18597384 18601666 18605948 18610231 18614514 18618798 18623082 18627367  
18631652 18635938 18640224 18644511 18648798 18653086 18657374 18661662 18665952  
18670241 18674531 18678822 18683113 18687405 18691697 18695990 18700283 18704577  
18708871 18713165 18717460 18721756 18726052 18730349 18734646 18738943 18743241  
18747540 18751839 18756139 18760439 18764739 18769040 18773342 18777644 18781946  
18786250 18790553 18794857 18799162 18803467 18807772 18812078 18816385 18820692  
18824999 18829307 18833615 18837924 18842234 18846544 18850854 18855165 18859477  
18863789 18868101 18872414 18876727 18881041 18885356 18889671 18893986 18898302  
18902618 18906935 18911253 18915570 18919889 18924208 18928527 18932847 18937167  
18941488 18945809 18950131 18954453 18958776 18963100 18967423 18971748 18976073  
18980398 18984724 18989050 18993377 18997704 19002032 19006360 19010689 19015018

19019348 19023678 19028009 19032340 19036672 19041004 19045336 19049670 19054003  
19058338 19062672 19067007 19071343 19075679 19080016 19084353 19088691 19093029  
19097368 19101707 19106046 19110386 19114727 19119068 19123410 19127752 19132095  
19136438 19140781 19145125 19149470 19153815 19158161 19162507 19166853 19171200  
19175548 19179896 19184244 19188593 19192943 19197293 19201643 19205994 19210346  
19214698 19219050 19223403 19227757 19232111 19236465 19240820 19245176 19249532  
19253888 19258245 19262603 19266961 19271319 19275678 19280037 19284397 19288758  
19293119 19297480 19301842 19306204 19310567 19314930 19319294 19323659 19328024  
19332389 19336755 19341121 19345488 19349855 19354223 19358591 19362960 19367330  
19371699 19376070 19380441 19384812 19389184 19393556 19397929 19402302 19406676  
19411050 19415425 19419800 19424176 19428552 19432929 19437306 19441684 19446062  
19450441 19454820 19459199 19463580 19467960 19472342 19476723 19481105 19485488  
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19529342 19533730 19538119 19542508 19546897 19551287 19555678 19560069 19564461  
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19608404 19612801 19617198 19621596 19625995 19630394 19634793 19639193 19643594  
19647995 19652396 19656798 19661200 19665603 19670007 19674411 19678815 19683220  
19687626 19692031 19696438 19700845 19705252 19709660 19714069 19718477 19722887  
19727297 19731707 19736118 19740529 19744941 19749353 19753766 19758180 19762593  
19767008 19771423 19775838 19780254 19784670 19789087 19793504 19797922 19802340  
19806759 19811178 19815598 19820018 19824439 19828860 19833282 19837704 19842127  
19846550 19850974 19855398 19859823 19864248 19868674 19873100 19877527 19881954  
19886382 19890810 19895239 19899668 19904097 19908528 19912958 19917389 19921821  
19926253 19930686 19935119 19939553 19943987 19948421 19952856 19957292 19961728  
19966165 19970602 19975039 19979477 19983916 19988355 19992795 19997235 20001675  
20006116 20010558 20015000 20019442 20023885 20028329 20032773 20037217 20041662  
20046108 20050554 20055000 20059447 20063895 20068343 20072791 20077240 20081690  
20086140 20090590 20095041 20099492 20103944 20108397 20112850 20117303 20121757  
20126211 20130666 20135122 20139578 20144034 20148491 20152948 20157406 20161864  
20166323 20170783 20175242 20179703 20184164 20188625 20193087 20197549 20202012  
20206475 20210939 20215403 20219868 20224333 20228799 20233265 20237732 20242199  
20246667 20251135 20255604 20260073 20264543 20269013 20273484 20277955 20282427  
20286899 20291372 20295845 20300319 20304793 20309268 20313743 20318219 20322695  
20327171 20331649 20336126 20340604 20345083 20349562 20354042 20358522 20363003  
20367484 20371965 20376447 20380930 20385413 20389897 20394381 20398865 20403350  
20407836 20412322 20416809 20421296 20425783 20430271 20434760 20439249 20443738  
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20610199 20614707 20619216 20623725 20628235 20632745 20637256 20641767 20646279  
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20691424 20695942 20700459 20704977 20709496 20714015 20718535 20723055 20727576  
20732097 20736619 20741141 20745664 20750187 20754711 20759235 20763759 20768285  
20772810 20777336 20781863 20786390 20790918 20795446 20799974 20804504 20809033  
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20936063 20940607 20945151 20949696 20954242 20958788 20963334 20967881 20972428  
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21099957 21104518 21109081 21113644 21118207 21122770 21127335 21131899 21136465  
21141030 21145597 21150163 21154731 21159298 21163866 21168435 21173004 21177574  
21182144 21186715 21191286 21195858 21200430 21205002 21209576 21214149 21218723  
21223298 21227873 21232449 21237025 21241601 21246179 21250756 21255334 21259913  
21264492 21269071 21273652 21278232 21282813 21287395 21291977 21296559 21301142  
21305726 21310310 21314894 21319479 21324065 21328651 21333237 21337824 21342412  
21347000 21351588 21356177 21360767 21365357 21369947 21374538 21379130 21383722  
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21429668 21434266 21438864 21443462 21448061 21452660 21457260 21461860 21466461  
21471063 21475664 21480267 21484870 21489473 21494077 21498681 21503286 21507891  
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21595486 21600101 21604717 21609333 21613950 21618567 21623185 21627803 21632421  
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21845415 21850057 21854699 21859342 21863985 21868629 21873274 21877919 21882564  
21887210 21891856 21896503 21901151 21905798 21910447 21915096 21919745 21924395  
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22054791 22059455 22064120 22068785 22073451 22078117 22082784 22087451 22092118  
22096787 22101455 22106124 22110794 22115464 22120135 22124806 22129477 22134150  
22138822 22143495 22148169 22152843 22157518 22162193 22166868 22171544 22176221  
22180898 22185575 22190253 22194932 22199611 22204291 22208971 22213651 22218332  
22223014 22227696 22232378 22237061 22241745 22246429 22251113 22255798 22260483  
22265169 22269856 22274543 22279230 22283918 22288607 22293296 22297985 22302675  
22307365 22312056 22316748 22321440 22326132 22330825 22335518 22340212 22344906  
22349601 22354297 22358993 22363689 22368386 22373083 22377781 22382479 22387178  
22391877 22396577 22401278 22405978 22410680 22415381 22420084 22424787 22429490  
22434194 22438898 22443603 22448308 22453014 22457720 22462427 22467134 22471842  
22476550 22481259 22485968 22490678 22495388 22500098 22504810 22509521 22514234  
22518946 22523659 22528373 22533087 22537802 22542517 22547233 22551949 22556665  
22561383 22566100 22570818 22575537 22580256 22584976 22589696 22594416 22599138  
22603859 22608581 22613304 22618027 22622750 22627474 22632199 22636924 22641650  
22646376 22651102 22655829 22660557 22665285 22670013 22674742 22679472 22684202  
22688932 22693663 22698395 22703127 22707859 22712592 22717326 22722060 22726794  
22731529 22736265 22741001 22745737 22750474 22755211 22759949 22764688 22769427  
22774166 22778906 22783646 22788387 22793129 22797870 22802613 22807356 22812099  
22816843 22821587 22826332 22831077 22835823 22840570 22845316 22850064 22854812  
22859560 22864309 22869058 22873808 22878558 22883309 22888060 22892812 22897564  
22902317 22907070 22911824 22916578 22921333 22926088 22930844 22935600 22940357

22945114 22949872 22954630 22959389 22964148 22968908 22973668 22978429 22983190  
22987951 22992714 22997476 23002239 23007003 23011767 23016532 23021297 23026063  
23030829 23035595 23040363 23045130 23049898 23054667 23059436 23064206 23068976  
23073746 23078517 23083289 23088061 23092834 23097607 23102380 23107154 23111929  
23116704 23121479 23126255 23131032 23135809 23140586 23145364 23150143 23154922  
23159701 23164481 23169262 23174043 23178824 23183606 23188389 23193172 23197955  
23202739 23207524 23212308 23217094 23221880 23226666 23231453 23236241 23241029  
23245817 23250606 23255395 23260185 23264975 23269766 23274558 23279350 23284142  
23288935 23293728 23298522 23303316 23308111 23312906 23317702 23322499 23327295  
23332093 23336891 23341689 23346488 23351287 23356087 23360887 23365688 23370489  
23375291 23380093 23384896 23389699 23394503 23399307 23404112 23408917 23413723  
23418529 23423336 23428143 23432951 23437759 23442567 23447377 23452186 23456996  
23461807 23466618 23471430 23476242 23481055 23485868 23490682 23495496 23500310  
23505125 23509941 23514757 23519574 23524391 23529209 23534027 23538845 23543664  
23548484 23553304 23558125 23562946 23567767 23572589 23577412 23582235 23587058  
23591882 23596707 23601532 23606357 23611183 23616010 23620837 23625664 23630492  
23635321 23640150 23644979 23649809 23654640 23659471 23664302 23669134 23673967  
23678800 23683633 23688467 23693301 23698136 23702972 23707808 23712644 23717481  
23722318 23727156 23731995 23736834 23741673 23746513 23751353 23756194 23761035  
23765877 23770720 23775562 23780406 23785250 23790094 23794939 23799784 23804630  
23809476 23814323 23819170 23824018 23828866 23833715 23838564 23843414 23848264  
23853115 23857966 23862818 23867670 23872523 23877376 23882230 23887084 23891939  
23896794 23901650 23906506 23911363 23916220 23921078 23925936 23930795 23935654  
23940514 23945374 23950234 23955096 23959957 23964819 23969682 23974545 23979409  
23984273 23989137 23994003 23998868 24003734 24008601 24013468 24018336 24023204  
24028072 24032941 24037811 24042681 24047552 24052423 24057294 24062166 24067039  
24071912 24076785 24081659 24086534 24091409 24096284 24101160 24106037 24110914  
24115791 24120669 24125548 24130427 24135306 24140186 24145067 24149948 24154829  
24159711 24164593 24169476 24174360 24179244 24184128 24189013 24193898 24198784  
24203671 24208558 24213445 24218333 24223221 24228110 24233000 24237889 24242780  
24247671 24252562 24257454 24262346 24267239 24272132 24277026 24281920 24286815  
24291711 24296606 24301503 24306399 24311297 24316194 24321093 24325992 24330891

;

/\*clean log\*/

log/

/\* feed random trees to the test\*/

p mpt.tre;

set randmpttree getrandom [0 ntrees];

tsave\* temp.tre;

save 'randmpttree';

keep 0;

p cons.tre;



```

set randcontree getrandom [0 ntrees];

save 'randcontree';

tsave/;

keep 0;

p temp.tre;

/* get character number */
set charnumber nchar ; /* note it gives number of chars -1! */

/* get number of trees */
set howmanytrees ntrees ; /* note it gives number of trees -1! */

/* y-loop through characters */

set nonzerodiffs 0 ;

loop = y 0 'charnumber'

/* compare changes of char y on tree 1 vs tree 0 */
/* save result and absolute result in arrays */

set thisdiff (score[1 (#y)] - score[0 (#y)]) ;
if ('thisdiff' !=0)
    set diffs['nonzerodiffs'] 'thisdiff' ;
    if ('thisdiff' >= 0)
        set absdiffs['nonzerodiffs'] 'thisdiff' ;
    else
        set absdiffs['nonzerodiffs'] (-1*'thisdiff') ;
    end ;
    set nonzerodiffs ('nonzerodiffs'+1) ;
end;

stop ;

```

```

/* sort arrays */

if ('nonzerodiffs' > 1)
    loop =z 0 ('nonzerodiffs'-2)
        loop =i (#z+1) ('nonzerodiffs'-1)
            if ('absdifs[#i]' < 'absdifs[#z]')
                set swapbuffer 'difs[#z]';
                set difs[#z] 'difs[#i]';
                set difs[#i] 'swapbuffer';
                set swapbuffer 'absdifs[#z]';
                set absdifs[#z] 'absdifs[#i]';
                set absdifs[#i] 'swapbuffer';
            else
                end ;
        stop ;
    stop ;
end ;

/* assign ranks; avg rank for ties */

set startrankblock 0 ;
set rankblocksum 1;
loop =r 0 ('nonzerodiffs'-1)
    if ((#r) == ('nonzerodiffs' -1))
        loop =s 'startrankblock' (#r)
            if ('difs[#s]' < 0)
                set diffsrank[(#s)] ('rankblocksum' / (-1*(1 + (#r) -
'startrankblock')));
            else
                set diffsrank[(#s)] ('rankblocksum' / (1 + (#r) -
'startrankblock')) ;

```

```

                                end;
                                stop ;
else
    if ('absdiffs[(#r)]' == 'absdiffs[((#r)+1)])
        set rankblocksum ('rankblocksum' + #r + 2) ;
    else
        loop =s 'startrankblock' (#r)
            if ('diffs[(#s)]' < 0)
                set diffsranks[(#s)] ('rankblocksum' / (-1*(1 +
(#r) - 'startrankblock')));
            else
                set diffsranks[(#s)] ('rankblocksum' / (1 + (#r) -
'startrankblock')) ;
            end;
        stop ;
        set startrankblock ((#r) + 1) ;
        set rankblocksum ((#r) + 2);
        end ;
    end ;
stop ;

/* obtain test statistic */

set lookupwilc 0 ;
set teststat 0 ;
loop =t 0 ('nonzerodiffs'-1)
    if ('diffsranks[#t]'<0)
        set teststat ('teststat' - 'diffsranks[#t]') ;
    end ;
    if ('diffs[#t]' !=0)
        set lookupwilc ('lookupwilc' + 1) ;
    end ;

```

```

stop;

/* output sorted list of differences */

quote Templeton test of most parsimonipus tree number 'randmpttree' against
constrained tree number 'randcontree' ;
quote Rank Difference Rankscore ;
loop =u 0 ('nonzerodiffs'-1)
  if ('diffs[#u]' != 0)
    set swapbuffer (#u+1) ;
    quote 'swapbuffer' 'diffs[#u]' 'diffsrank[#u]' ;
    end ;
  stop ;
quote Sum of negative ranks 'teststat' ;
quote Number of non-zero scores 'lookupwilc' ;

/* compare against Wilcoxon table and output test result */
if ('lookupwilc' < 5)
  quote Too few differences between the trees ;
else
  quote 'wilc5[('lookupwilc'-1)]' 'wilc2_5[('lookupwilc'-1)]' 'wilc1[('lookupwilc'-
1)];
  if ('teststat' <= 'wilc5[('lookupwilc'-1)])
    if ('teststat' <= 'wilc2_5[('lookupwilc'-1)])
      if ('teststat' <= 'wilc1[('lookupwilc'-1)])
        quote Significant at the 1 percent level ;
        set results 1;
        stop;
      else
        quote Significant at the 2.5 percent level ;
        set results 2.5;
    stop;
  stop;

```

```

end ;
else
    quote Significant at the 5 percent level ;
    set results 5;
    stop;
    end ;
else
    quote Not significant ;
    set results 0;
    end;
end;
;
/*generate results table*/
log +results.out
quote 'randmpttree', 'randcontree', 'teststat', 'lookupwilc', 'wilc5[('lookupwilc'-1)]',
'wilc2_5[('lookupwilc'-1)]', 'wilc1[('lookupwilc'-1)]', 'results';

log/

procedure / ;

```



Supp C5. Tab delimited text file with the results of the Templeton tests for the three datasets.

Random MPT	Random constrained tree	Sum	Negative ranks	Non zero scores	Rank for significance at 0.05	Rank for significance at 0.025	Rank for significance at 0.001	Result
2906	5758	26	12	"	17"	13	9	Non significant
821	1963	26	12	"	17"	13	9	Non significant
3175	5627	16.500.000	10	"	10"	8	5	Non significant
4426	7419	84	20	"	60"	52	43	Non significant
2274	4086	26	12	"	17"	13	9	Non significant
2749	4991	37.500.000	14	"	25"	21	15	Non significant
4438	4284	201.500.000	30	"	151"	137	120	Non significant
4349	1991	148.500.000	26	"	110"	98	84	Non significant
1859	5631	125	24	"	91"	81	69	Non significant
1907	2238	26	12	"	17"	13	9	Non significant
3736	4978	103.500.000	22	"	75"	65	55	Non significant
1911	2535	37.500.000	14	"	25"	21	15	Non significant
2075	6726	66.500.000	18	"	47"	40	32	Non significant
3093	5369	9	8	"	5"	3	1	Non significant
1298	2408	115	23	"	83"	73	62	Non significant
2648	5177	26	12	"	17"	13	9	Non significant
518	6550	84	20	"	60"	52	43	Non significant
1621	3515	84	20	"	60"	52	43	Non significant
3462	3877	76	19	"	53"	46	37	Non significant
1915	3768	9	8	"	5"	3	1	Non significant
4336	7412	103.500.000	22	"	75"	65	55	Non significant
4209	4143	16.500.000	10	"	10"	8	5	Non significant
2321	302	45	15	"	30"	25	19	Non significant
935	5627	51	16	"	35"	29	23	Non significant
2332	1506	84	20	"	60"	52	43	Non significant
3477	920	26	12	"	17"	13	9	Non significant
1152	1475	103.500.000	22	"	75"	65	55	Non significant
3316	3766	115	23	"	83"	73	62	Non significant
1422	223	51	16	"	35"	29	23	Non significant
1165	1945	84	20	"	60"	52	43	Non significant
541	6655	103.500.000	22	"	75"	65	55	Non significant
167	3894	51	16	"	35"	29	23	Non significant
86	483	84	20	"	60"	52	43	Non significant
2310	7757	66.500.000	18	"	47"	40	32	Non significant
1691	5530	188.500.000	29	"	140"	126	110	Non significant
730	6214	125	24	"	91"	81	69	Non significant
2446	4740	76	19	"	53"	46	37	Non significant
1414	5262	84	20	"	60"	52	43	Non significant
3178	7273	84	20	"	60"	52	43	Non significant
3181	5358	9	8	"	5"	3	1	Non significant
2113	246	76	19	"	53"	46	37	Non significant
1941	7536	37.500.000	14	"	25"	21	15	Non significant
468	2203	66.500.000	18	"	47"	40	32	Non significant
1195	1201	84	20	"	60"	52	43	Non significant
2752	5285	84	20	"	60"	52	43	Non significant
3576	677	3.500.000	6	"	2"	0	0	Non significant
2853	7644	76	19	"	53"	46	37	Non significant
4245	589	86	20	"	60"	52	43	Non significant
2284	6363	51	16	"	35"	29	23	Non significant
3504	3193	66.500.000	18	"	47"	40	32	Non significant
556	1395	37.500.000	14	"	25"	21	15	Non significant
4434	4989	51	16	"	35"	29	23	Non significant
1352	6815	137.500.000	25	"	100"	89	76	Non significant
4586	1877	103.500.000	22	"	75"	65	55	Non significant
3076	7174	66.500.000	18	"	47"	40	32	Non significant



4513	120	37.500.000	14	"	25"	21	15	Non significant
1827	1330	66.500.000	18	"	47"	40	32	Non significant
3547	6334	37.500.000	14	"	25"	21	15	Non significant
1518	4882	84	20	"	60"	52	43	Non significant
1444	945	103.500.000	22	"	75"	65	55	Non significant
3664	6386	174	28	"	130"	116	101	Non significant
4166	7221	26	12	"	17"	13	9	Non significant
3147	1206	84	20	"	60"	52	43	Non significant
2807	4247	37.500.000	14	"	25"	21	15	Non significant
3280	7129	16.500.000	10	"	10"	8	5	Non significant
2655	2582	84	20	"	60"	52	43	Non significant
1672	5000	84	20	"	60"	52	43	Non significant
3406	7637	137.500.000	25	"	100"	89	76	Non significant
1536	1276	37.500.000	14	"	25"	21	15	Non significant
1701	2876	13.500.000	9	"	8"	5	3	Non significant
1155	4699	16.500.000	10	"	10"	8	5	Non significant
1787	1713	37.500.000	14	"	25"	21	15	Non significant
3214	3919	103.500.000	22	"	75"	65	55	Non significant
2084	4697	37.500.000	14	"	25"	21	15	Non significant
2313	7745	66.500.000	18	"	47"	40	32	Non significant
681	7535	148.500.000	26	"	110"	98	84	Non significant
3123	445	51	16	"	35"	29	23	Non significant
4127	928	162	27	"	119"	107	92	Non significant
389	5349	16.500.000	10	"	10"	8	5	Non significant
2383	6157	37.500.000	14	"	25"	21	15	Non significant
607	1491	84	20	"	60"	52	43	Non significant
3829	1822	66.500.000	18	"	47"	40	32	Non significant
4588	5935	103.500.000	22	"	75"	65	55	Non significant
754	6790	66.500.000	18	"	47"	40	32	Non significant
4598	436	66.500.000	18	"	47"	40	32	Non significant
1294	5850	3.500.000	6	"	2"	0	0	Non significant
4273	611	59.500.000	17	"	41"	34	27	Non significant
1171	913	94.500.000	21	"	67"	58	49	Non significant
3752	4612	66.500.000	18	"	47"	40	32	Non significant
2607	3707	37.500.000	14	"	25"	21	15	Non significant
4184	3968	26	12	"	17"	13	9	Non significant
4590	33	16.500.000	10	"	10"	8	5	Non significant
717	4607	66.500.000	18	"	47"	40	32	Non significant
995	2624	26	12	"	17"	13	9	Non significant
283	5250	37.500.000	14	"	25"	21	15	Non significant
4133	4357	66.500.000	18	"	47"	40	32	Non significant
1468	3937	103.500.000	22	"	75"	65	55	Non significant
3775	5511	37.500.000	14	"	25"	21	15	Non significant
2877	7074	150.500.000	26	"	110"	98	84	Non significant
3999	3496	66.500.000	18	"	47"	40	32	Non significant
3473	6270	137.500.000	25	"	100"	89	76	Non significant
4578	3753	16.500.000	10	"	10"	8	5	Non significant
4269	4500	37.500.000	14	"	25"	21	15	Non significant
3961	5808	162	27	"	119"	107	92	Non significant
1787	4681	37.500.000	14	"	25"	21	15	Non significant
2604	922	76	19	"	53"	46	37	Non significant
2239	1670	66.500.000	18	"	47"	40	32	Non significant
3952	1472	37.500.000	14	"	25"	21	15	Non significant
1310	687	103.500.000	22	"	75"	65	55	Non significant
4309	3500	37.500.000	14	"	25"	21	15	Non significant
3048	3813	103.500.000	22	"	75"	65	55	Non significant
4100	6424	148.500.000	26	"	110"	98	84	Non significant

4154	2523	37.500.000	14	"	25"	21	15	Non significant
1212	5835	103.500.000	22	"	75"	65	55	Non significant
2231	2905	148.500.000	26	"	110"	98	84	Non significant
1856	5554	125 24	"	91"	81	69		Non significant
765	2098	125 24	"	91"	81	69		Non significant
802	1568	59.500.000	17	"	41"	34	27	Non significant
4359	2022	148.500.000	26	"	110"	98	84	Non significant
1191	6789	51 16	"	35"	29	23		Non significant
695	3959	9 8	"	5"	3	1		Non significant
1780	1488	51 16	"	35"	29	23		Non significant
3954	5035	115 23	"	83"	73	62		Non significant
3749	1092	37.500.000	14	"	25"	21	15	Non significant
850	4614	51 16	"	35"	29	23		Non significant
1611	668	76 19	"	53"	46	37		Non significant
1947	6661	26 12	"	17"	13	9		Non significant
2989	574	26 12	"	17"	13	9		Non significant
3678	1082	103.500.000	22	"	75"	65	55	Non significant
987	3680	115 23	"	83"	73	62		Non significant
2615	2859	66.500.000	18	"	47"	40	32	Non significant
653	862	59.500.000	17	"	41"	34	27	Non significant
446	905	94.500.000	21	"	67"	58	49	Non significant
4416	4087	148.500.000	26	"	110"	98	84	Non significant
2035	6001	66.500.000	18	"	47"	40	32	Non significant
2499	3786	26 12	"	17"	13	9		Non significant
568	2501	51 16	"	35"	29	23		Non significant
1322	2579	137.500.000	25	"	100"	89	76	Non significant
1044	5416	66.500.000	18	"	47"	40	32	Non significant
2859	5990	26 12	"	17"	13	9		Non significant
1545	3099	37.500.000	14	"	25"	21	15	Non significant
1245	487	26 12	"	17"	13	9		Non significant
3096	6042	26 12	"	17"	13	9		Non significant
541	1775	103.500.000	22	"	75"	65	55	Non significant
73	342	32.500.000	13	"	21"	17	12	Non significant
1118	288	37.500.000	14	"	25"	21	15	Non significant
1925	209	37.500.000	14	"	25"	21	15	Non significant
2093	1282	37.500.000	14	"	25"	21	15	Non significant
2219	4795	84 20	"	60"	52	43		Non significant
3474	6469	59.500.000	17	"	41"	34	27	Non significant
2750	879	51 16	"	35"	29	23		Non significant
3113	6806	84 20	"	60"	52	43		Non significant
1876	5036	103.500.000	22	"	75"	65	55	Non significant
234	5629	137.500.000	25	"	100"	89	76	Non significant
2235	5780	174 28	"	130"	116	101		Non significant
915	3356	66.500.000	18	"	47"	40	32	Non significant
597	3079	9 8	"	5"	3	1		Non significant
3988	807	188.500.000	29	"	140"	126	110	Non significant
1749	253	37.500.000	14	"	25"	21	15	Non significant
914	5635	103.500.000	22	"	75"	65	55	Non significant
3540	6246	103.500.000	22	"	75"	65	55	Non significant
857	609	32.500.000	13	"	21"	17	12	Non significant
1133	1505	103.500.000	22	"	75"	65	55	Non significant
2758	5432	148.500.000	26	"	110"	98	84	Non significant
1769	5535	148.500.000	26	"	110"	98	84	Non significant
2431	5348	37.500.000	14	"	25"	21	15	Non significant
847	7701	201.500.000	30	"	151"	137	120	Non significant
1691	4288	59.500.000	17	"	41"	34	27	Non significant
827	963	37.500.000	14	"	25"	21	15	Non significant

3645	1316	51	16	"	35"	29	23	Non significant
1233	712	51	16	"	35"	29	23	Non significant
740	6015	125	24	"	91"	81	69	Non significant
1462	5601	84	20	"	60"	52	43	Non significant
3546	1491	37.500.000	14	"	25"	21	15	Non significant
383	325	103.500.000	22	"	75"	65	55	Non significant
3391	82	66.500.000	18	"	47"	40	32	Non significant
1676	1090	16.500.000	10	"	10"	8	5	Non significant
2165	3836	37.500.000	14	"	25"	21	15	Non significant
4280	6582	66.500.000	18	"	47"	40	32	Non significant
3401	7574	103.500.000	22	"	75"	65	55	Non significant
50	685	103.500.000	22	"	75"	65	55	Non significant
2332	7722	137.500.000	25	"	100"	89	76	Non significant
2538	6365	103.500.000	22	"	75"	65	55	Non significant
2542	4193	9	8	"	5"	3	1	Non significant
4035	3235	66.500.000	18	"	47"	40	32	Non significant
4474	1249	174	28	"	130"	116	101	Non significant
3371	1403	3.500.000	6	"	2"	0	0	Non significant
774	5222	51	16	"	35"	29	23	Non significant
3334	5281	37.500.000	14	"	25"	21	15	Non significant
4638	2	188.500.000	29	"	140"	126	110	Non significant
394	3339	51	16	"	35"	29	23	Non significant
1645	340	37.500.000	14	"	25"	21	15	Non significant
1532	163	59.500.000	17	"	41"	34	27	Non significant
3347	650	137.500.000	25	"	100"	89	76	Non significant
142	3558	66.500.000	18	"	47"	40	32	Non significant
4058	7062	59.500.000	17	"	41"	34	27	Non significant
3784	4125	51	16	"	35"	29	23	Non significant
2038	6513	37.500.000	14	"	25"	21	15	Non significant
3911	1150	148.500.000	26	"	110"	98	84	Non significant
3623	5682	174	28	"	130"	116	101	Non significant
652	35	16.500.000	10	"	10"	8	5	Non significant
2503	3500	84	20	"	60"	52	43	Non significant
3359	7333	162	27	"	119"	107	92	Non significant
3137	3979	103.500.000	22	"	75"	65	55	Non significant
1383	288	59.500.000	17	"	41"	34	27	Non significant
4177	6381	148.500.000	26	"	110"	98	84	Non significant
1112	5222	201.500.000	30	"	151"	137	120	Non significant
3550	3393	148.500.000	26	"	110"	98	84	Non significant
1002	3424	66.500.000	18	"	47"	40	32	Non significant
525	6529	103.500.000	22	"	75"	65	55	Non significant
3305	6601	16.500.000	10	"	10"	8	5	Non significant
378	7214	59.500.000	17	"	41"	34	27	Non significant
1731	6089	66.500.000	18	"	47"	40	32	Non significant
2139	3887	66.500.000	18	"	47"	40	32	Non significant
3384	177	125	24	"	91"	81	69	Non significant
2911	3561	37.500.000	14	"	25"	21	15	Non significant
2699	7547	9	8	"	5"	3	1	Non significant
3885	3741	103.500.000	22	"	75"	65	55	Non significant
3629	5151	51	16	"	35"	29	23	Non significant
674	2597	16.500.000	10	"	10"	8	5	Non significant
947	4565	103.500.000	22	"	75"	65	55	Non significant
1289	3821	162	27	"	119"	107	92	Non significant
785	6287	174	28	"	130"	116	101	Non significant
1830	5201	9	8	"	5"	3	1	Non significant
4236	7730	9	8	"	5"	3	1	Non significant
1084	5658	51	16	"	35"	29	23	Non significant

4289	4280	162	27	"	119"	107	92	Non significant
496	6999	9	8	"	5"	3	1	Non significant
1865	6470	37.500.000		14	"	25"	21	15 Non significant
54	2941	51	16	"	35"	29	23	Non significant
3189	398	203.500.000		30	"	151"	137	120 Non significant
2800	2719	125	24	"	91"	81	69	Non significant
1071	3300	94.500.000		21	"	67"	58	49 Non significant
3055	2444	148.500.000		26	"	110"	98	84 Non significant
636	7009	37.500.000		14	"	25"	21	15 Non significant
4341	2028	51	16	"	35"	29	23	Non significant
3341	3961	37.500.000		14	"	25"	21	15 Non significant
1967	4760	66.500.000		18	"	47"	40	32 Non significant
488	7357	66.500.000		18	"	47"	40	32 Non significant
3410	700	94.500.000		21	"	67"	58	49 Non significant
1826	2384	51	16	"	35"	29	23	Non significant
4353	2029	84	20	"	60"	52	43	Non significant
349	4554	9	8	"	5"	3	1	Non significant
4006	6025	103.500.000		22	"	75"	65	55 Non significant
3492	3726	51	16	"	35"	29	23	Non significant
318	5460	37.500.000		14	"	25"	21	15 Non significant
3489	7051	125	24	"	91"	81	69	Non significant
318	3692	66.500.000		18	"	47"	40	32 Non significant
4640	5589	84	20	"	60"	52	43	Non significant
327	4337	37.500.000		14	"	25"	21	15 Non significant
2709	6113	3.500.000		6	"	2"	0	0 Non significant
900	4983	125	24	"	91"	81	69	Non significant
1462	6211	16.500.000		10	"	10"	8	5 Non significant
4144	7559	51	16	"	35"	29	23	Non significant
4120	1416	51	16	"	35"	29	23	Non significant
559	1017	37.500.000		14	"	25"	21	15 Non significant
3329	243	45	15	"	30"	25	19	Non significant
3077	2770	103.500.000		22	"	75"	65	55 Non significant
1594	887	188.500.000		29	"	140"	126	110 Non significant
4155	1213	84	20	"	60"	52	43	Non significant
1896	4312	51	16	"	35"	29	23	Non significant
4295	4714	9	8	"	5"	3	1	Non significant
2629	3106	94.500.000		21	"	67"	58	49 Non significant
1556	1545	66.500.000		18	"	47"	40	32 Non significant
416	4615	103.500.000		22	"	75"	65	55 Non significant
3371	4516	26	12	"	17"	13	9	Non significant
2908	3962	66.500.000		18	"	47"	40	32 Non significant
603	4256	84	20	"	60"	52	43	Non significant
2768	940	76	19	"	53"	46	37	Non significant
3819	946	203.500.000		30	"	151"	137	120 Non significant
68	1961	66.500.000		18	"	47"	40	32 Non significant
3408	5154	16.500.000		10	"	10"	8	5 Non significant
834	1618	94.500.000		21	"	67"	58	49 Non significant
530	3713	103.500.000		22	"	75"	65	55 Non significant
2868	5016	59.500.000		17	"	41"	34	27 Non significant
3990	4009	125	24	"	91"	81	69	Non significant
3021	2141	37.500.000		14	"	25"	21	15 Non significant
1878	6552	103.500.000		22	"	75"	65	55 Non significant
2515	7019	84	20	"	60"	52	43	Non significant
2595	4204	37.500.000		14	"	25"	21	15 Non significant
4400	4689	51	16	"	35"	29	23	Non significant
2260	1213	84	20	"	60"	52	43	Non significant
2015	321	51	16	"	35"	29	23	Non significant

3447	510	76	19	"	53"	46	37	Non significant
1409	6891	45	15	"	30"	25	19	Non significant
2378	2897	125	24	"	91"	81	69	Non significant
3517	6871	125	24	"	91"	81	69	Non significant
3525	6637	37.500.000	14	"	25"	21	15	Non significant
995	933	76	19	"	53"	46	37	Non significant
2200	6609	66.500.000	18	"	47"	40	32	Non significant
1595	5861	84	20	"	60"	52	43	Non significant
1440	4838	37.500.000	14	"	25"	21	15	Non significant
3649	4117	174	28	"	130"	116	101	Non significant
2531	3862	103.500.000	22	"	75"	65	55	Non significant
3237	3325	137.500.000	25	"	100"	89	76	Non significant
3932	4686	51	16	"	35"	29	23	Non significant
4606	5900	103.500.000	22	"	75"	65	55	Non significant
3471	1364	3.500.000	6	"	2"	0	0	Non significant
3634	4913	51	16	"	35"	29	23	Non significant
4553	1704	84	20	"	60"	52	43	Non significant
1696	3033	115	23	"	83"	73	62	Non significant
4163	92	9	8	"	5"	3	1	Non significant
4350	651	32.500.000	13	"	21"	17	12	Non significant
1291	4084	137.500.000	25	"	100"	89	76	Non significant
1800	613	26	12	"	17"	13	9	Non significant
1612	5244	16.500.000	10	"	10"	8	5	Non significant
3163	4500	94.500.000	21	"	67"	58	49	Non significant
2513	3660	103.500.000	22	"	75"	65	55	Non significant
1192	1270	125	24	"	91"	81	69	Non significant
4244	444	84	20	"	60"	52	43	Non significant
3062	7601	84	20	"	60"	52	43	Non significant
947	7207	115	23	"	83"	73	62	Non significant
4350	1903	162	27	"	119"	107	92	Non significant
1513	2817	115	23	"	83"	73	62	Non significant
753	3519	84	20	"	60"	52	43	Non significant
3463	6455	76	19	"	53"	46	37	Non significant
4167	781	51	16	"	35"	29	23	Non significant
1057	2347	37.500.000	14	"	25"	21	15	Non significant
172	4412	37.500.000	14	"	25"	21	15	Non significant
773	2861	26	12	"	17"	13	9	Non significant
2109	6089	125	24	"	91"	81	69	Non significant
3061	985	125	24	"	91"	81	69	Non significant
1603	2528	76	19	"	53"	46	37	Non significant
4435	6066	37.500.000	14	"	25"	21	15	Non significant
3716	5402	84	20	"	60"	52	43	Non significant
2332	2690	66.500.000	18	"	47"	40	32	Non significant
3822	6493	26	12	"	17"	13	9	Non significant
2726	2734	37.500.000	14	"	25"	21	15	Non significant
2683	7122	84	20	"	60"	52	43	Non significant
1916	1019	26	12	"	17"	13	9	Non significant
3367	4645	16.500.000	10	"	10"	8	5	Non significant
3640	132	125	24	"	91"	81	69	Non significant
448	7327	127	24	"	91"	81	69	Non significant
609	2070	51	16	"	35"	29	23	Non significant
952	3107	94.500.000	21	"	67"	58	49	Non significant
1651	1201	125	24	"	91"	81	69	Non significant
1409	1354	26	12	"	17"	13	9	Non significant
3524	1119	162	27	"	119"	107	92	Non significant
4046	1470	125	24	"	91"	81	69	Non significant
3219	2194	103.500.000	22	"	75"	65	55	Non significant

1081	1881	59.500.000	17	"	41"	34	27	Non significant
3129	2912	51 16 "	35"	29	23			Non significant
883	1596	125 24 "	91"	81	69			Non significant
3453	2877	9 8 "	5"	3	1			Non significant
3925	4558	37.500.000	14	"	25"	21	15	Non significant
2393	7324	84 20 "	60"	52	43			Non significant
577	635	26 12 "	17"	13	9			Non significant
3433	1509	26 12 "	17"	13	9			Non significant
1867	1768	37.500.000	14	"	25"	21	15	Non significant
3046	5365	16.500.000	10	"	10"	8	5	Non significant
1391	2743	45 15 "	30"	25	19			Non significant
2888	4089	115 23 "	83"	73	62			Non significant
57	63	37.500.000	14	"	25"	21	15	Non significant
2687	6632	103.500.000	22	"	75"	65	55	Non significant
1374	41	51 16 "	35"	29	23			Non significant
4436	35	84 20 "	60"	52	43			Non significant
2114	2410	9 8 "	5"	3	1			Non significant
759	1006	26 12 "	17"	13	9			Non significant
1484	3332	66.500.000	18	"	47"	40	32	Non significant
1978	5995	125 24 "	91"	81	69			Non significant
4472	5755	188.500.000	29	"	140"	126	110	Non significant
3127	2907	16.500.000	10	"	10"	8	5	Non significant
4367	440	51 16 "	35"	29	23			Non significant
958	19	84 20 "	60"	52	43			Non significant
1303	2303	26 12 "	17"	13	9			Non significant
1524	928	94.500.000	21	"	67"	58	49	Non significant
3417	944	16.500.000	10	"	10"	8	5	Non significant
2726	4379	84 20 "	60"	52	43			Non significant
3683	6657	125 24 "	91"	81	69			Non significant
731	5546	201.500.000	30	"	151"	137	120	Non significant
1971	4662	51 16 "	35"	29	23			Non significant
3152	6557	9 8 "	5"	3	1			Non significant
2822	2246	125 24 "	91"	81	69			Non significant
606	2787	37.500.000	14	"	25"	21	15	Non significant
2734	2637	148.500.000	26	"	110"	98	84	Non significant
1319	2768	115 23 "	83"	73	62			Non significant
851	1936	26 12 "	17"	13	9			Non significant
1376	1519	66.500.000	18	"	47"	40	32	Non significant
937	1300	51 16 "	35"	29	23			Non significant
2906	2950	37.500.000	14	"	25"	21	15	Non significant
2289	4029	66.500.000	18	"	47"	40	32	Non significant
4613	5583	188.500.000	29	"	140"	126	110	Non significant
3476	6951	137.500.000	25	"	100"	89	76	Non significant
4071	5008	32.500.000	13	"	21"	17	12	Non significant
4605	807	188.500.000	29	"	140"	126	110	Non significant
795	2911	174 28 "	130"	116	101			Non significant
3109	607	125 24 "	91"	81	69			Non significant
3988	4375	16.500.000	10	"	10"	8	5	Non significant
82	2436	45 15 "	30"	25	19			Non significant
983	2777	84 20 "	60"	52	43			Non significant
4076	943	115 23 "	83"	73	62			Non significant
3776	5059	66.500.000	18	"	47"	40	32	Non significant
4154	101	125 24 "	91"	81	69			Non significant
1019	5617	26 12 "	17"	13	9			Non significant
3032	5960	66.500.000	18	"	47"	40	32	Non significant
2293	5462	32.500.000	13	"	21"	17	12	Non significant
4093	601	103.500.000	22	"	75"	65	55	Non significant

4273	5977	76	19	"	53"	46	37	Non significant
4503	1620	26	12	"	17"	13	9	Non significant
62	6224	125	24	"	91"	81	69	Non significant
413	2953	94.500.000	21	"	67"	58	49	Non significant
3097	3581	26	12	"	17"	13	9	Non significant
241	1980	51	16	"	35"	29	23	Non significant
1555	4523	26	12	"	17"	13	9	Non significant
198	3132	45	15	"	30"	25	19	Non significant
1681	6407	76	19	"	53"	46	37	Non significant
4120	1860	84	20	"	60"	52	43	Non significant
2377	4830	150.500.000	26	"	110"	98	84	Non significant
3608	5811	162	27	"	119"	107	92	Non significant
2522	5242	84	20	"	60"	52	43	Non significant
2994	5995	26	12	"	17"	13	9	Non significant
4614	6684	9	8	"	5"	3	1	Non significant
1963	5899	37.500.000	14	"	25"	21	15	Non significant
3730	4120	125	24	"	91"	81	69	Non significant
4440	750	66.500.000	18	"	47"	40	32	Non significant
1211	2803	26	12	"	17"	13	9	Non significant
3999	3776	76	19	"	53"	46	37	Non significant
43	2782	51	16	"	35"	29	23	Non significant
1919	2276	125	24	"	91"	81	69	Non significant
4172	4783	37.500.000	14	"	25"	21	15	Non significant
1792	4167	66.500.000	18	"	47"	40	32	Non significant
4466	36	84	20	"	60"	52	43	Non significant
3808	5601	66.500.000	18	"	47"	40	32	Non significant
3118	791	26	12	"	17"	13	9	Non significant
2755	3185	51	16	"	35"	29	23	Non significant
14	800	148.500.000	26	"	110"	98	84	Non significant
1375	2933	51	16	"	35"	29	23	Non significant
1692	1389	22	11	"	13"	10	7	Non significant
1557	2924	201.500.000	30	"	151"	137	120	Non significant
3532	1826	16.500.000	10	"	10"	8	5	Non significant
3567	1197	84	20	"	60"	52	43	Non significant
450	6833	84	20	"	60"	52	43	Non significant
514	6948	125	24	"	91"	81	69	Non significant
194	7768	125	24	"	91"	81	69	Non significant
203	495	9	8	"	5"	3	1	Non significant
365	253	76	19	"	53"	46	37	Non significant
3129	4476	125	24	"	91"	81	69	Non significant
3779	938	76	19	"	53"	46	37	Non significant
2998	6784	37.500.000	14	"	25"	21	15	Non significant
2724	1736	103.500.000	22	"	75"	65	55	Non significant
875	1015	76	19	"	53"	46	37	Non significant
2553	3612	37.500.000	14	"	25"	21	15	Non significant
1554	7136	174	28	"	130"	116	101	Non significant
3213	6660	125	24	"	91"	81	69	Non significant
4514	7668	125	24	"	91"	81	69	Non significant
1064	4049	103.500.000	22	"	75"	65	55	Non significant
833	6442	66.500.000	18	"	47"	40	32	Non significant
2695	1602	103.500.000	22	"	75"	65	55	Non significant
3609	1931	84	20	"	60"	52	43	Non significant
4301	7268	26	12	"	17"	13	9	Non significant
6	7254	37.500.000	14	"	25"	21	15	Non significant
2396	5003	84	20	"	60"	52	43	Non significant
4327	1012	51	16	"	35"	29	23	Non significant
685	1199	84	20	"	60"	52	43	Non significant

4132	1080	148.500.000	26	"	110"	98	84	Non significant
1844	4327	37.500.000	14	"	25"	21	15	Non significant
3009	5534	66.500.000	18	"	47"	40	32	Non significant
3072	4262	125 24	"	91"	81	69	Non significant	
441 1697	103.500.000	22	"	75"	65	55	Non significant	
296 7448	148.500.000	26	"	110"	98	84	Non significant	
3559	250 16.500.000	10	"	10"	8	5	Non significant	
1065	7227	37.500.000	14	"	25"	21	15	Non significant
2661	1020	201.500.000	30	"	151"	137	120	Non significant
4329	6590	37.500.000	14	"	25"	21	15	Non significant
178 5072	51 16	" 35"	29	23	Non significant			
1886	6490	103.500.000	22	"	75"	65	55	Non significant
22 336	16.500.000	10	"	10"	8	5	Non significant	
3226	1522	84 20	"	60"	52	43	Non significant	
504 5382	84 20	" 60"	52	43	Non significant			
2370	2156	45 15	"	30"	25	19	Non significant	
3921	6882	148.500.000	26	"	110"	98	84	Non significant
901 2541	103.500.000	22	"	75"	65	55	Non significant	
887 990	22 11	" 13"	10	7	Non significant			
882 4246	51 16	" 35"	29	23	Non significant			
2914	6866	9 8	"	5"	3	1	Non significant	
1435	6561	16.500.000	10	"	10"	8	5	Non significant
1582	7670	66.500.000	18	"	47"	40	32	Non significant
4618	3162	66.500.000	18	"	47"	40	32	Non significant
4605	1627	66.500.000	18	"	47"	40	32	Non significant
521 4701	125 24	" 91"	81	69	Non significant			
971 6280	125 24	" 91"	81	69	Non significant			
2042	4338	51 16	"	35"	29	23	Non significant	
1772	1366	32.500.000	13	"	21"	17	12	Non significant
4386	171 103.500.000	22	"	75"	65	55	Non significant	
2323	1098	9 8	"	5"	3	1	Non significant	
149 1626	66.500.000	18	"	47"	40	32	Non significant	
1903	1430	51 16	"	35"	29	23	Non significant	
4489	3763	125 24	"	91"	81	69	Non significant	
1295	6286	45 15	"	30"	25	19	Non significant	
1415	7653	103.500.000	22	"	75"	65	55	Non significant
2736	2858	148.500.000	26	"	110"	98	84	Non significant
1445	791 51	16 " 35"	29	23	Non significant			
2591	2721	45 15	"	30"	25	19	Non significant	
1085	6788	32.500.000	13	"	21"	17	12	Non significant
894 480	37.500.000	14	"	25"	21	15	Non significant	
152 5590	51 16	" 35"	29	23	Non significant			
3427	141 16.500.000	10	"	10"	8	5	Non significant	
2144	1188	66.500.000	18	"	47"	40	32	Non significant
800 2463	51 16	" 35"	29	23	Non significant			
2535	3052	37.500.000	14	"	25"	21	15	Non significant
1999	7449	103.500.000	22	"	75"	65	55	Non significant
16 6671	103.500.000	22	"	75"	65	55	Non significant	
196 1898	84 20	" 60"	52	43	Non significant			
2298	1583	66.500.000	18	"	47"	40	32	Non significant
1616	2790	16.500.000	10	"	10"	8	5	Non significant
3278	4489	51 16	"	35"	29	23	Non significant	
1635	3714	103.500.000	22	"	75"	65	55	Non significant
3473	4785	150.500.000	26	"	110"	98	84	Non significant
1682	1746	59.500.000	17	"	41"	34	27	Non significant
629 82	26 12	" 17"	13	9	Non significant			
2767	3619	84 20	"	60"	52	43	Non significant	



2828	2339	66.500.000	18	"	47"	40	32	Non significant
1208	343 84	20 "	60"	52	43	Non significant		
2029	8 125	24 "	91"	81	69	Non significant		
372 2371	32.500.000	13	"	21"	17	12	Non significant	
3395	6254	201.500.000	30	"	151"	137	120	Non significant
2400	619 26	12 "	17"	13	9	Non significant		
1628	1956	84 20	"	60"	52	43	Non significant	
328 7640	76 19	"	53"	46	37	Non significant		
3111	2458	103.500.000	22	"	75"	65	55	Non significant
841 415	37.500.000	14	"	25"	21	15	Non significant	
1910	1786	66.500.000	18	"	47"	40	32	Non significant
3920	7314	137.500.000	25	"	100"	89	76	Non significant
1633	1065	26 12	"	17"	13	9	Non significant	
3623	7426	26 12	"	17"	13	9	Non significant	
712 380	37.500.000	14	"	25"	21	15	Non significant	
565 5371	103.500.000	22	"	75"	65	55	Non significant	
2297	5882	115 23	"	83"	73	62	Non significant	
2298	253 37.500.000	14	"	25"	21	15	Non significant	
2279	3574	174 28	"	130"	116	101	Non significant	
1439	891 125	24 "	91"	81	69	Non significant		
2430	393 86	20 "	60"	52	43	Non significant		
1393	2006	16.500.000	10	"	10"	8	5	Non significant
1232	3601	148.500.000	26	"	110"	98	84	Non significant
1270	184 84	20 "	60"	52	43	Non significant		
809 2924	125 24	"	91"	81	69	Non significant		
2741	4304	103.500.000	22	"	75"	65	55	Non significant
4508	7506	125 24	"	91"	81	69	Non significant	
3769	1488	37.500.000	14	"	25"	21	15	Non significant
2522	2229	9 8	"	5"	3	1	Non significant	
609 2120	51 16	"	35"	29	23	Non significant		
1501	6490	59.500.000	17	"	41"	34	27	Non significant
2624	1120	32.500.000	13	"	21"	17	12	Non significant
1862	5589	103.500.000	22	"	75"	65	55	Non significant
2104	4567	105.500.000	22	"	75"	65	55	Non significant
1782	2246	66.500.000	18	"	47"	40	32	Non significant
4609	543 45	15 "	30"	25	19	Non significant		
4413	4501	188.500.000	29	"	140"	126	110	Non significant
3593	4917	45 15	"	30"	25	19	Non significant	
1938	3662	37.500.000	14	"	25"	21	15	Non significant
1154	993 103.500.000	22	"	75"	65	55	Non significant	
2490	1277	125 24	"	91"	81	69	Non significant	
2424	4274	51 16	"	35"	29	23	Non significant	
672 1640	51 16	"	35"	29	23	Non significant		
2344	6230	84 20	"	60"	52	43	Non significant	
4199	975 174	28 "	130"	116	101	Non significant		
4043	1180	127 24	"	91"	81	69	Non significant	
4157	2596	103.500.000	22	"	75"	65	55	Non significant
1031	7307	125 24	"	91"	81	69	Non significant	
3862	4234	66.500.000	18	"	47"	40	32	Non significant
814 2110	103.500.000	22	"	75"	65	55	Non significant	
663 2864	37.500.000	14	"	25"	21	15	Non significant	
2795	4358	51 16	"	35"	29	23	Non significant	
4353	3818	103.500.000	22	"	75"	65	55	Non significant
3963	4541	51 16	"	35"	29	23	Non significant	
3935	5107	66.500.000	18	"	47"	40	32	Non significant
204 5932	26 12	"	17"	13	9	Non significant		
1577	2565	84 20	"	60"	52	43	Non significant	

1006	4252	66.500.000	18	"	47"	40	32	Non significant
1296	1204	51 16 "	35"	29	23			Non significant
4122	380	66.500.000	18	"	47"	40	32	Non significant
3021	3405	84 20 "	60"	52	43			Non significant
2479	4631	51 16 "	35"	29	23			Non significant
3254	5458	59.500.000	17	"	41"	34	27	Non significant
726 5331	84	20 " 60"	52	43				Non significant
1361	4691	26 12 "	17"	13	9			Non significant
4134	2474	148.500.000	26	"	110"98	84		Non significant
1017	7627	148.500.000	26	"	110"98	84		Non significant
2747	5864	125 24 "	91"	81	69			Non significant
1183	3104	51 16 "	35"	29	23			Non significant
3231	2409	66.500.000	18	"	47"	40	32	Non significant
4494	1272	148.500.000	26	"	110"98	84		Non significant
2943	4143	45 15 "	30"	25	19			Non significant
4467	4700	125 24 "	91"	81	69			Non significant
4627	614	66.500.000	18	"	47"	40	32	Non significant
169 7469		148.500.000	26	"	110"98	84		Non significant
2715	5497	66.500.000	18	"	47"	40	32	Non significant
746 6281		66.500.000	18	"	47"	40	32	Non significant
3927	6065	76 19 "	53"	46	37			Non significant
3895	540 76	19 " 53"	46	37				Non significant
4341	4304	103.500.000	22	"	75"	65	55	Non significant
394 6022		94.500.000	21	"	67"	58	49	Non significant
59 4369	84	20 " 60"	52	43				Non significant
2759	1329	51 16 "	35"	29	23			Non significant
3523	6878	115 23 "	83"	73	62			Non significant
3148	1103	125 24 "	91"	81	69			Non significant
2998	6382	103.500.000	22	"	75"	65	55	Non significant
3349	5301	37.500.000	14	"	25"	21	15	Non significant
1800	4165	66.500.000	18	"	47"	40	32	Non significant
3144	6233	37.500.000	14	"	25"	21	15	Non significant
1473	521 51	16 " 35"	29	23				Non significant
2100	2637	103.500.000	22	"	75"	65	55	Non significant
4100	869	16.500.000	10	"	10"	8	5	Non significant
2566	5881	66.500.000	18	"	47"	40	32	Non significant
3332	2624	26 12 "	17"	13	9			Non significant
4108	2554	103.500.000	22	"	75"	65	55	Non significant
4377	3291	103.500.000	22	"	75"	65	55	Non significant
2370	2940	137.500.000	25	"	100"89	76		Non significant
438 6733		37.500.000	14	"	25"	21	15	Non significant
2145	5785	137.500.000	25	"	100"89	76		Non significant
3834	4159	26 12 "	17"	13	9			Non significant
3342	4974	16.500.000	10	"	10"	8	5	Non significant
842 1222	51 16 "	35"	29	23				Non significant
1222	706	16.500.000	10	"	10"	8	5	Non significant
2549	36	37.500.000	14	"	25"	21	15	Non significant
3793	1366	127 24 "	91"	81	69			Non significant
3583	797	148.500.000	26	"	110"98	84		Non significant
423 3147	26 12 "	17"	13	9				Non significant
3139	729	51 16 "	35"	29	23			Non significant
4152	246	137.500.000	25	"	100"89	76		Non significant
908 7231		66.500.000	18	"	47"	40	32	Non significant
3892	1028	37.500.000	14	"	25"	21	15	Non significant
316 3532	174 28 "	130"116	101					Non significant
3577	6350	16.500.000	10	"	10"	8	5	Non significant
3809	3734	37.500.000	14	"	25"	21	15	Non significant

2540	2074	125	24	"	91"	81	69	Non significant
80	7748	66.500.000	18	"	47"	40	32	Non significant
261	6967	26	12	"	17"	13	9	Non significant
4017	1353	66.500.000	18	"	47"	40	32	Non significant
1544	3575	84	20	"	60"	52	43	Non significant
4010	740	37.500.000	14	"	25"	21	15	Non significant
1851	2154	66.500.000	18	"	47"	40	32	Non significant
885	7385	84	20	"	60"	52	43	Non significant
3889	4702	84	20	"	60"	52	43	Non significant
2908	1485	162	27	"	119"	107	92	Non significant
949	1944	103.500.000	22	"	75"	65	55	Non significant
2391	4707	37.500.000	14	"	25"	21	15	Non significant
82	849	103.500.000	22	"	75"	65	55	Non significant
342	4538	9	8	"	5"	3	1	Non significant
4228	4466	103.500.000	22	"	75"	65	55	Non significant
536	867	125	24	"	91"	81	69	Non significant
4391	3853	84	20	"	60"	52	43	Non significant
1026	2084	51	16	"	35"	29	23	Non significant
4634	6081	84	20	"	60"	52	43	Non significant
2554	4206	26	12	"	17"	13	9	Non significant
182	7595	51	16	"	35"	29	23	Non significant
3426	5213	76	19	"	53"	46	37	Non significant
2310	6860	76	19	"	53"	46	37	Non significant
2517	3125	103.500.000	22	"	75"	65	55	Non significant
4639	2815	188.500.000	29	"	140"	126	110	Non significant
4414	3927	125	24	"	91"	81	69	Non significant
1619	2519	94.500.000	21	"	67"	58	49	Non significant
4356	1766	103.500.000	22	"	75"	65	55	Non significant
1268	603	37.500.000	14	"	25"	21	15	Non significant
544	6333	137.500.000	25	"	100"	89	76	Non significant
4310	4481	66.500.000	18	"	47"	40	32	Non significant
4347	525	9	8	"	5"	3	1	Non significant
824	1259	115	23	"	83"	73	62	Non significant
168	7095	13.500.000	9	"	8"	5	3	Non significant
4472	3075	125	24	"	91"	81	69	Non significant
311	4109	103.500.000	22	"	75"	65	55	Non significant
3773	1816	16.500.000	10	"	10"	8	5	Non significant
1851	4009	125	24	"	91"	81	69	Non significant
641	2166	45	15	"	30"	25	19	Non significant
4059	3850	137.500.000	25	"	100"	89	76	Non significant
1185	3911	84	20	"	60"	52	43	Non significant
2445	1586	45	15	"	30"	25	19	Non significant
411	6379	66.500.000	18	"	47"	40	32	Non significant
343	2560	37.500.000	14	"	25"	21	15	Non significant
3581	1465	66.500.000	18	"	47"	40	32	Non significant
1064	3886	103.500.000	22	"	75"	65	55	Non significant
3581	6451	51	16	"	35"	29	23	Non significant
2458	5323	66.500.000	18	"	47"	40	32	Non significant
875	906	45	15	"	30"	25	19	Non significant
3124	4342	103.500.000	22	"	75"	65	55	Non significant
757	6007	125	24	"	91"	81	69	Non significant
3002	6719	103.500.000	22	"	75"	65	55	Non significant
2836	4532	9	8	"	5"	3	1	Non significant
2427	2621	9	8	"	5"	3	1	Non significant
151	4830	26	12	"	17"	13	9	Non significant
2210	6735	16.500.000	10	"	10"	8	5	Non significant
3548	7564	125	24	"	91"	81	69	Non significant

4153	4595	84	20	"	60"	52	43	Non significant
886	5804	103.500.000	22	"	75"	65	55	Non significant
2611	3144	37.500.000	14	"	25"	21	15	Non significant
234	4418	76	19	"	53"	46	37	Non significant
4382	7108	84	20	"	60"	52	43	Non significant
832	1632	68.500.000	18	"	47"	40	32	Non significant
804	5333	26	12	"	17"	13	9	Non significant
1367	323	84	20	"	60"	52	43	Non significant
243	7544	201.500.000	30	"	151"	137	120	Non significant
3288	7475	26	12	"	17"	13	9	Non significant
2046	6811	84	20	"	60"	52	43	Non significant
3061	2745	16.500.000	10	"	10"	8	5	Non significant
2814	4275	103.500.000	22	"	75"	65	55	Non significant
10	2270	137.500.000	25	"	100"	89	76	Non significant
3585	7516	137.500.000	25	"	100"	89	76	Non significant
247	935	26	12	"	17"	13	9	Non significant
1425	2484	137.500.000	25	"	100"	89	76	Non significant
992	6482	26	12	"	17"	13	9	Non significant
1058	1463	148.500.000	26	"	110"	98	84	Non significant
841	5808	103.500.000	22	"	75"	65	55	Non significant
2601	6424	66.500.000	18	"	47"	40	32	Non significant
3921	3584	125	24	"	91"	81	69	Non significant
1790	3620	148.500.000	26	"	110"	98	84	Non significant
605	7407	51	16	"	35"	29	23	Non significant
3285	374	66.500.000	18	"	47"	40	32	Non significant
3546	2385	37.500.000	14	"	25"	21	15	Non significant
4161	5498	125	24	"	91"	81	69	Non significant
3064	3261	66.500.000	18	"	47"	40	32	Non significant
3007	3810	125	24	"	91"	81	69	Non significant
3559	3084	125	24	"	91"	81	69	Non significant
1241	2154	3.500.000	6	"	2"	0	0	Non significant
110	6544	103.500.000	22	"	75"	65	55	Non significant
3155	845	9	8	"	5"	3	1	Non significant
3340	309	125	24	"	91"	81	69	Non significant
150	5123	103.500.000	22	"	75"	65	55	Non significant
2557	2905	26	12	"	17"	13	9	Non significant
4343	1089	103.500.000	22	"	75"	65	55	Non significant
2135	3178	86	20	"	60"	52	43	Non significant
3802	4591	37.500.000	14	"	25"	21	15	Non significant
4495	6532	16.500.000	10	"	10"	8	5	Non significant
3852	3111	103.500.000	22	"	75"	65	55	Non significant
1091	6279	137.500.000	25	"	100"	89	76	Non significant
2511	787	51	16	"	35"	29	23	Non significant
3678	6586	37.500.000	14	"	25"	21	15	Non significant
2163	6563	76	19	"	53"	46	37	Non significant
3638	2081	37.500.000	14	"	25"	21	15	Non significant
3541	6833	103.500.000	22	"	75"	65	55	Non significant
4644	3392	37.500.000	14	"	25"	21	15	Non significant
1991	1877	3.500.000	6	"	2"	0	0	Non significant
285	4813	86	20	"	60"	52	43	Non significant
576	7527	115	23	"	83"	73	62	Non significant
111	5558	125	24	"	91"	81	69	Non significant
3211	5304	201.500.000	30	"	151"	137	120	Non significant
2139	2488	66.500.000	18	"	47"	40	32	Non significant
1206	6767	26	12	"	17"	13	9	Non significant
1100	3547	115	23	"	83"	73	62	Non significant
1018	996	66.500.000	18	"	47"	40	32	Non significant

4546	2574	3.500.000	6	"	2"	0	0	Non significant
421	3678	51	16	"	35"	29	23	Non significant
2326	3590	203.500.000	30	"	151"	137	120	Non significant
1774	4494	51	16	"	35"	29	23	Non significant
2884	4150	16.500.000	10	"	10"	8	5	Non significant
392	744	86	20	"	60"	52	43	Non significant
3392	2509	137.500.000	25	"	100"	89	76	Non significant
3926	5508	9	8	"	5"	3	1	Non significant
2783	402	26	12	"	17"	13	9	Non significant
3898	3960	84	20	"	60"	52	43	Non significant
3157	2880	103.500.000	22	"	75"	65	55	Non significant
31	7668	37.500.000	14	"	25"	21	15	Non significant
1565	5889	174	28	"	130"	116	101	Non significant
3179	5563	26	12	"	17"	13	9	Non significant
4425	4108	66.500.000	18	"	47"	40	32	Non significant
2314	6980	174	28	"	130"	116	101	Non significant
3725	318	84	20	"	60"	52	43	Non significant
2335	3188	9	8	"	5"	3	1	Non significant
3540	6618	51	16	"	35"	29	23	Non significant
2496	4505	84	20	"	60"	52	43	Non significant
2728	2049	84	20	"	60"	52	43	Non significant
1407	519	9	8	"	5"	3	1	Non significant
2052	2512	32.500.000	13	"	21"	17	12	Non significant
3104	7731	16.500.000	10	"	10"	8	5	Non significant
2486	4219	103.500.000	22	"	75"	65	55	Non significant
2766	5489	84	20	"	60"	52	43	Non significant
1321	7117	45	15	"	30"	25	19	Non significant
3843	3949	201.500.000	30	"	151"	137	120	Non significant
1974	7293	59.500.000	17	"	41"	34	27	Non significant
937	7723	125	24	"	91"	81	69	Non significant
2077	5903	37.500.000	14	"	25"	21	15	Non significant
3419	6752	32.500.000	13	"	21"	17	12	Non significant
1901	4207	103.500.000	22	"	75"	65	55	Non significant
3294	5773	51	16	"	35"	29	23	Non significant
4039	6158	9	8	"	5"	3	1	Non significant
2427	6782	66.500.000	18	"	47"	40	32	Non significant
4614	6395	26	12	"	17"	13	9	Non significant
2887	4135	162	27	"	119"	107	92	Non significant
2664	160	94.500.000	21	"	67"	58	49	Non significant
2126	5593	66.500.000	18	"	47"	40	32	Non significant
355	5730	51	16	"	35"	29	23	Non significant
241	4519	26	12	"	17"	13	9	Non significant
3800	6998	115	23	"	83"	73	62	Non significant
2788	4860	51	16	"	35"	29	23	Non significant
4206	7363	66.500.000	18	"	47"	40	32	Non significant
510	5784	115	23	"	83"	73	62	Non significant
1976	4764	26	12	"	17"	13	9	Non significant
3823	943	176	28	"	130"	116	101	Non significant
1387	2362	68.500.000	18	"	47"	40	32	Non significant
4592	5344	66.500.000	18	"	47"	40	32	Non significant
2762	4730	84	20	"	60"	52	43	Non significant
3722	3125	125	24	"	91"	81	69	Non significant
223	124	9	8	"	5"	3	1	Non significant
1757	351	66.500.000	18	"	47"	40	32	Non significant
685	5911	201.500.000	30	"	151"	137	120	Non significant
1770	4975	16.500.000	10	"	10"	8	5	Non significant
1033	5597	174	28	"	130"	116	101	Non significant

3915	1460	51	16	"	35"	29	23	Non significant
3181	4947	137.500.000			25	"	100"89	76 Non significant
2510	4952	45	15	"	30"	25	19	Non significant
4472	5741	188.500.000			29	"	140"126	110 Non significant
3659	1946	51	16	"	35"	29	23	Non significant
564	4106	51	16	"	35"	29	23	Non significant
950	1801	37.500.000			14	"	25"	21 15 Non significant
355	6869	32.500.000			13	"	21"	17 12 Non significant
2523	1029	51	16	"	35"	29	23	Non significant
373	6327	66.500.000			18	"	47"	40 32 Non significant
1576	6389	37.500.000			14	"	25"	21 15 Non significant
3745	2908	103.500.000			22	"	75"	65 55 Non significant
215	6472	51	16	"	35"	29	23	Non significant
2592	6700	105.500.000			22	"	75"	65 55 Non significant
998	44	137.500.000			25	"	100"89	76 Non significant
4287	4006	9	8	"	5"	3	1	Non significant
256	3056	66.500.000			18	"	47"	40 32 Non significant
3805	4860	37.500.000			14	"	25"	21 15 Non significant
2433	4282	51	16	"	35"	29	23	Non significant
3157	1041	84	20	"	60"	52	43	Non significant
3726	4744	66.500.000			18	"	47"	40 32 Non significant
412	5491	84	20	"	60"	52	43	Non significant
4588	4295	26	12	"	17"	13	9	Non significant
414	5464	125	24	"	91"	81	69	Non significant
126	7189	51	16	"	35"	29	23	Non significant
3661	3643	16.500.000			10	"	10"	8 5 Non significant
3794	2167	84	20	"	60"	52	43	Non significant
1511	83	37.500.000			14	"	25"	21 15 Non significant
1577	6713	37.500.000			14	"	25"	21 15 Non significant
2648	4823	3.500.000			6	"	2"	0 0 Non significant
1841	1577	115	23	"	83"	73	62	Non significant
120	7347	66.500.000			18	"	47"	40 32 Non significant
3001	6834	37.500.000			14	"	25"	21 15 Non significant
1711	7113	148.500.000			26	"	110"98	84 Non significant
162	3961	9	8	"	5"	3	1	Non significant
4324	1960	84	20	"	60"	52	43	Non significant
64	7386	66.500.000			18	"	47"	40 32 Non significant
1661	2510	115	23	"	83"	73	62	Non significant
214	5568	66.500.000			18	"	47"	40 32 Non significant
3190	6525	26	12	"	17"	13	9	Non significant
83	4519	32.500.000			13	"	21"	17 12 Non significant
3789	4734	103.500.000			22	"	75"	65 55 Non significant
2919	5425	103.500.000			22	"	75"	65 55 Non significant
2364	1497	76	19	"	53"	46	37	Non significant
248	7722	76	19	"	53"	46	37	Non significant
1245	6831	37.500.000			14	"	25"	21 15 Non significant
357	2525	32.500.000			13	"	21"	17 12 Non significant
1536	2654	103.500.000			22	"	75"	65 55 Non significant
4269	1106	16.500.000			10	"	10"	8 5 Non significant
293	4114	51	16	"	35"	29	23	Non significant
1264	1166	103.500.000			22	"	75"	65 55 Non significant
3011	1739	148.500.000			26	"	110"98	84 Non significant
957	6089	66.500.000			18	"	47"	40 32 Non significant
796	787	26	12	"	17"	13	9	Non significant
3513	6605	125	24	"	91"	81	69	Non significant
50	3515	125	24	"	91"	81	69	Non significant
1549	1715	26	12	"	17"	13	9	Non significant

1707	1914	3.500.000	6	"	2"	0	0	Non significant
2868	2206	32.500.000	13	"	21"	17	12	Non significant
734	1542	84	20	"	60"	52	43	Non significant
794	276	26	12	"	17"	13	9	Non significant
1726	6862	84	20	"	60"	52	43	Non significant
77	1344	59.500.000	17	"	41"	34	27	Non significant
1989	5373	66.500.000	18	"	47"	40	32	Non significant
956	1065	37.500.000	14	"	25"	21	15	Non significant
4425	1967	127	24	"	91"	81	69	Non significant
4594	3568	125	24	"	91"	81	69	Non significant
2824	912	37.500.000	14	"	25"	21	15	Non significant
2119	620	94.500.000	21	"	67"	58	49	Non significant
2149	2969	125	24	"	91"	81	69	Non significant
967	6661	37.500.000	14	"	25"	21	15	Non significant
1211	4426	84	20	"	60"	52	43	Non significant
4302	2706	32.500.000	13	"	21"	17	12	Non significant
1566	2854	37.500.000	14	"	25"	21	15	Non significant
2818	7380	103.500.000	22	"	75"	65	55	Non significant
4514	4689	103.500.000	22	"	75"	65	55	Non significant
3765	5359	84	20	"	60"	52	43	Non significant
3782	7755	94.500.000	21	"	67"	58	49	Non significant
3201	6987	137.500.000	25	"	100"	89	76	Non significant
88	489	51	16	"	35"	29	23	Non significant
372	6030	115	23	"	83"	73	62	Non significant
2122	471	16.500.000	10	"	10"	8	5	Non significant
3037	7127	51	16	"	35"	29	23	Non significant
2005	6224	66.500.000	18	"	47"	40	32	Non significant
4533	3195	84	20	"	60"	52	43	Non significant
1747	3194	26	12	"	17"	13	9	Non significant
1206	7169	66.500.000	18	"	47"	40	32	Non significant
2230	674	9	8	"	5"	3	1	Non significant
4596	2748	37.500.000	14	"	25"	21	15	Non significant
4108	3930	125	24	"	91"	81	69	Non significant
3542	7435	103.500.000	22	"	75"	65	55	Non significant
3033	4948	94.500.000	21	"	67"	58	49	Non significant
1288	4753	16.500.000	10	"	10"	8	5	Non significant
25	3261	51	16	"	35"	29	23	Non significant
575	1141	148.500.000	26	"	110"	98	84	Non significant
2278	1402	16.500.000	10	"	10"	8	5	Non significant
1157	3322	68.500.000	18	"	47"	40	32	Non significant
2449	3684	125	24	"	91"	81	69	Non significant
2082	7196	59.500.000	17	"	41"	34	27	Non significant
3462	6723	59.500.000	17	"	41"	34	27	Non significant
763	1263	125	24	"	91"	81	69	Non significant
2237	396	103.500.000	22	"	75"	65	55	Non significant
1256	2840	37.500.000	14	"	25"	21	15	Non significant
2347	5978	137.500.000	25	"	100"	89	76	Non significant
3216	2888	201.500.000	30	"	151"	137	120	Non significant
2258	2990	9	8	"	5"	3	1	Non significant
329	475	76	19	"	53"	46	37	Non significant
2991	3078	94.500.000	21	"	67"	58	49	Non significant
55	5461	115	23	"	83"	73	62	Non significant
3380	1949	84	20	"	60"	52	43	Non significant
544	3767	26	12	"	17"	13	9	Non significant
1083	4936	9	8	"	5"	3	1	Non significant
2827	2148	37.500.000	14	"	25"	21	15	Non significant
1766	7693	76	19	"	53"	46	37	Non significant

510	6295	125	24	"	91"	81	69	Non significant
87	993	16.500.000	10	"	10"	8	5	Non significant
2583	4160	137.500.000	25	"	100"	89	76	Non significant
3837	5544	26	12	"	17"	13	9	Non significant
1461	2	188.500.000	29	"	140"	126	110	Non significant
1062	6380	125	24	"	91"	81	69	Non significant
2804	3278	51	16	"	35"	29	23	Non significant
949	2137	84	20	"	60"	52	43	Non significant
833	1214	66.500.000	18	"	47"	40	32	Non significant
2305	478	103.500.000	22	"	75"	65	55	Non significant
2985	6928	76	19	"	53"	46	37	Non significant
1113	1636	115	23	"	83"	73	62	Non significant
342	4776	37.500.000	14	"	25"	21	15	Non significant
2490	6891	94.500.000	21	"	67"	58	49	Non significant
384	2501	103.500.000	22	"	75"	65	55	Non significant
3542	617	94.500.000	21	"	67"	58	49	Non significant
666	223	59.500.000	17	"	41"	34	27	Non significant
3131	1026	125	24	"	91"	81	69	Non significant
3564	1445	51	16	"	35"	29	23	Non significant
3599	7751	137.500.000	25	"	100"	89	76	Non significant
346	7704	115	23	"	83"	73	62	Non significant
1803	1326	66.500.000	18	"	47"	40	32	Non significant
752	3751	125	24	"	91"	81	69	Non significant
2189	4949	103.500.000	22	"	75"	65	55	Non significant
1350	425	51	16	"	35"	29	23	Non significant
2082	5302	103.500.000	22	"	75"	65	55	Non significant
4082	5501	51	16	"	35"	29	23	Non significant
554	2728	37.500.000	14	"	25"	21	15	Non significant
29	7361	26	12	"	17"	13	9	Non significant
3214	5371	16.500.000	10	"	10"	8	5	Non significant
4376	4596	125	24	"	91"	81	69	Non significant
3436	7602	76	19	"	53"	46	37	Non significant
2827	4172	148.500.000	26	"	110"	98	84	Non significant
4539	30	76	19	"	53"	46	37	Non significant
3038	5686	103.500.000	22	"	75"	65	55	Non significant
1038	6495	103.500.000	22	"	75"	65	55	Non significant
244	7730	66.500.000	18	"	47"	40	32	Non significant
3126	7578	16.500.000	10	"	10"	8	5	Non significant
1200	3242	26	12	"	17"	13	9	Non significant
4577	3704	9	8	"	5"	3	1	Non significant
1987	502	84	20	"	60"	52	43	Non significant
3938	7460	66.500.000	18	"	47"	40	32	Non significant
2872	7185	137.500.000	25	"	100"	89	76	Non significant
1712	994	16.500.000	10	"	10"	8	5	Non significant
2984	3001	59.500.000	17	"	41"	34	27	Non significant
3157	6352	125	24	"	91"	81	69	Non significant
2013	3881	84	20	"	60"	52	43	Non significant
3970	6942	84	20	"	60"	52	43	Non significant
1051	3287	125	24	"	91"	81	69	Non significant
676	1837	37.500.000	14	"	25"	21	15	Non significant
1213	3564	125	24	"	91"	81	69	Non significant
1797	2729	84	20	"	60"	52	43	Non significant
685	6246	66.500.000	18	"	47"	40	32	Non significant
2863	3654	16.500.000	10	"	10"	8	5	Non significant
3531	6480	66.500.000	18	"	47"	40	32	Non significant
129	1596	84	20	"	60"	52	43	Non significant
536	4892	103.500.000	22	"	75"	65	55	Non significant



3631	5281	51	16	"	35"	29	23	Non significant
4642	3782	174	28	"	130"	116	101	Non significant
2415	2571	9	8	"	5"	3	1	Non significant
1717	3113	37.500.000			14	"	25"	21 15 Non significant
2976	7554	59.500.000			17	"	41"	34 27 Non significant
449 7133		16.500.000	10	"	10"	8	5	Non significant
4254	6183	9	8	"	5"	3	1	Non significant
2006	3767	103.500.000			22	"	75"	65 55 Non significant
1370	935	76	19	"	53"	46	37	Non significant
3074	318	103.500.000	22	"	75"	65	55	Non significant
3952	6653	53	16	"	35"	29	23	Non significant
855 1039		66.500.000	18	"	47"	40	32	Non significant
3266	7595	16.500.000	10	"	10"	8	5	Non significant
3106	1744	125	24	"	91"	81	69	Non significant
678 6071		84	20	"	60"	52	43	Non significant
2757	884	76	19	"	53"	46	37	Non significant
1828	518	66.500.000	18	"	47"	40	32	Non significant
876 1748		51	16	"	35"	29	23	Non significant
1235	1177	84	20	"	60"	52	43	Non significant
860 1288		66.500.000	18	"	47"	40	32	Non significant
1626	6793	9	8	"	5"	3	1	Non significant
2576	2471	51	16	"	35"	29	23	Non significant
1461	3235	37.500.000	14	"	25"	21	15	Non significant
1494	3428	66.500.000	18	"	47"	40	32	Non significant
2283	228	127	24	"	91"	81	69	Non significant
787 1413		37.500.000	14	"	25"	21	15	Non significant
3396	7731	115	23	"	83"	73	62	Non significant
2029	1506	51	16	"	35"	29	23	Non significant
1223	322	51	16	"	35"	29	23	Non significant
1297	3650	32.500.000	13	"	21"	17	12	Non significant
2185	5506	51	16	"	35"	29	23	Non significant
3295	6262	51	16	"	35"	29	23	Non significant
2632	553	125	24	"	91"	81	69	Non significant