

**Table C.4 : Statistical comparison of values as obtained with R and P
(WILCOXON matched-pairs signed-ranks test)**

Subject	log RF derived from		Difference R - P	Rank of difference	
	R	P		without sign	with sign
1	3,60	4,43	- 0,83	12	- 12
2	6,46	5,36	1,10	15	+ 15
3	4,20	3,38	0,82	11	+ 11
4	4,14	3,47	0,67	9	+ 9
5	4,81	4,17	0,64	8	+ 8
6	3,17	3,96	- 0,79	10	- 10
7	4,75	3,87	0,88	14	+ 14
8	3,95	4,12	- 0,17	4	- 4
9	3,49	3,39	0,10	2	+ 2
10	3,69	3,96	- 0,27	5	- 5
11	5,59	5,13	0,46	6	+ 6
12	3,32	2,83	0,49	7	+ 7
13	3,29	3,37	- 0,08	1	- 1
14	4,73	3,89	0,84	13	+ 13
15	4,42	4,29	0,13	3	+ 3

RF : reduction factor

Sum of ranks (+) : 88
Sum of ranks (-) : 32

Compare smaller sum of ranks (here 32) with tabulated values from the WILCOXON table (see table C.5) for $n = 15$ at level of significance $p = 0,1$ ($= 36$).

If calculated smaller sum of ranks (here 32) ≤ 36 , then P has to be rejected as significantly less effective.

**Table C.5 : WILCOXON'S matched-pairs signed-ranks test :
Critical values of the lower of both sums of ranks with (+) or (-) sign at different
significance levels**

n (number of pairs with difference $\neq 0$)	Level of significance (directional test)		
	0,1	0,05	0,01
12	12	17	9
13	26	21	12
14	31	25	15
15	36	30	19

The difference is significant at the indicated level if the calculated value equals the tabulated value or is lower.