**S4 Table:** COX-2, RANK-L and OPG gene expression (mean ± standard deviation) of animals treated with β-glucan from *Saccharomyces cerevisiae* (30mg/kg/day) during 28 days

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DIABETES | PERIODONTAL DISEASE | | β-GLUCANS | |
| Without | With |
| ***COX-2*** | | | | |
| Without | | Without | 1,08 (0,18) | 0,89 (0,12) |
| With | 1,40 (0,44) x | 0,92 (0,24) y |
| With | | Without | 0,84 (0,07) a | 0,72 (0,15) |
| With | 1,54 (0,44) b x | 0,82 (0,08) y |
| ***RANK-L*** | | | | |
| Without | | Without | 1,46 (0,42) a | 1,54 (0,53) A |
| With | 4,21 (1,60) b A x | 2,41 (0,63) y |
| With | | Without | 2,22, (0,32) a | 3,71 (0,93) B |
| With | 6,74(2,46) b B x | 2,09 (0,65) y |
| ***OPG*** | | | | |
| Without | | Without | 3,86 (0,52) b B | 3,92 (0,82) b B |
| With | 1,17 (0,33) a y | 2,57 (0,21) a x |
| With | | Without | 2,24 (0,33) A | 2,12 (0,96) A |
| With | 1,47 (0,36) | 2,14 (0,63) |

A,B Means followed by different letters in columns indicate significant differences between groups with and without diabetes by F test (p < 0,05)

a,b Means followed by different letters in columns indicate significant differences between groups with and without periodontal disease by F test (p < 0,05)

x,y Means followed by different letters in lines indicate significant differences between groups with and without β-glucan ingestion by F test (p < 0,05)