|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | | | |
|  | groups | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| AST\_Serum | 1 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .324 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .323 |
| ALT\_Serum | 1 | .187 | 6 | .200\* | .891 | 6 | .322 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .323 |
| IL\_1β\_Serum | 1 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .323 |
| IL\_10\_Serum | 1 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .322 |
| TNF\_α\_Serum | 1 | .187 | 6 | .200\* | .891 | 6 | .322 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .323 |
| IL\_6\_Serum | 1 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .323 |
| MAD\_Liver | 1 | .172 | 6 | .200\* | .918 | 6 | .490 |
| 2 | .182 | 6 | .200\* | .900 | 6 | .375 |
| 3 | .172 | 6 | .200\* | .918 | 6 | .490 |
| 4 | .202 | 6 | .200\* | .853 | 6 | .167 |
| SOD\_Liver | 1 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 2 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 3 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 4 | .167 | 6 | .200\* | .982 | 6 | .960 |
| GSH\_Px\_Liver | 1 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .322 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .322 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .323 |
| CAT\_Liver | 1 | .190 | 6 | .200\* | .883 | 6 | .285 |
| 2 | .184 | 6 | .200\* | .894 | 6 | .342 |
| 3 | .188 | 6 | .200\* | .886 | 6 | .299 |
| 4 | .190 | 6 | .200\* | .883 | 6 | .285 |
| MDA\_Kidney | 1 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 2 | .182 | 6 | .200\* | .900 | 6 | .375 |
| 3 | .178 | 6 | .200\* | .908 | 6 | .421 |
| 4 | .172 | 6 | .200\* | .918 | 6 | .490 |
| p-p38 MAPK /p38 MAPK | 1 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 2 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 3 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 4 | .167 | 6 | .200\* | .982 | 6 | .960 |
| p-JNK/JNK | 1 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .322 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .323 |
| CAT\_Kidney | 1 | .172 | 6 | .200\* | .918 | 6 | .490 |
| 2 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 3 | .172 | 6 | .200\* | .918 | 6 | .490 |
| 4 | .172 | 6 | .200\* | .918 | 6 | .490 |
| MAD\_Lung | 1 | .182 | 6 | .200\* | .900 | 6 | .375 |
| 2 | .190 | 6 | .200\* | .883 | 6 | .285 |
| 3 | .184 | 6 | .200\* | .894 | 6 | .342 |
| 4 | .202 | 6 | .200\* | .853 | 6 | .167 |
| SOD\_Lung | 1 | .167 | 6 | .200\* | .982 | 6 | .960 |
| 2 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 3 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 4 | .202 | 6 | .200\* | .853 | 6 | .167 |
| GSH\_Px\_Lung | 1 | .187 | 6 | .200\* | .891 | 6 | .325 |
| 2 | .187 | 6 | .200\* | .890 | 6 | .320 |
| 3 | .187 | 6 | .200\* | .891 | 6 | .323 |
| 4 | .187 | 6 | .200\* | .891 | 6 | .322 |
| CAT\_Lung | 1 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 2 | .167 | 6 | .200\* | .954 | 6 | .773 |
| 3 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 4 | .202 | 6 | .200\* | .853 | 6 | .167 |
| HMGβ1\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .189 | 6 | .200\* | .884 | 6 | .289 |
| 3 | .190 | 6 | .200\* | .882 | 6 | .279 |
| 4 | .192 | 6 | .200\* | .879 | 6 | .263 |
| NLRP3\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .188 | 6 | .200\* | .890 | 6 | .319 |
| 3 | .187 | 6 | .200\* | .889 | 6 | .313 |
| 4 | .184 | 6 | .200\* | .894 | 6 | .342 |
| NF\_κB\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .186 | 6 | .200\* | .894 | 6 | .342 |
| 3 | .188 | 6 | .200\* | .890 | 6 | .317 |
| 4 | .189 | 6 | .200\* | .885 | 6 | .292 |
| IL\_1β\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .187 | 6 | .200\* | .891 | 6 | .326 |
| 3 | .186 | 6 | .200\* | .891 | 6 | .323 |
| 4 | .187 | 6 | .200\* | .890 | 6 | .318 |
| TNF\_α\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .190 | 6 | .200\* | .883 | 6 | .285 |
| 3 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 4 | .187 | 6 | .200\* | .890 | 6 | .318 |
| IRAK\_1\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .183 | 6 | .200\* | .897 | 6 | .357 |
| 3 | .178 | 6 | .200\* | .908 | 6 | .421 |
| 4 | .187 | 6 | .200\* | .890 | 6 | .318 |
| TRAF6\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .182 | 6 | .200\* | .900 | 6 | .375 |
| 3 | .190 | 6 | .200\* | .883 | 6 | .285 |
| 4 | .188 | 6 | .200\* | .886 | 6 | .299 |
| Iκβα\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .167 | 6 | .200\* | .954 | 6 | .773 |
| 3 | .202 | 6 | .200\* | .853 | 6 | .167 |
| 4 | .187 | 6 | .200\* | .890 | 6 | .318 |
| MyD88\_Lung | 1 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 2 | .188 | 6 | .200\* | .886 | 6 | .299 |
| 3 | .187 | 6 | .200\* | .890 | 6 | .318 |
| 4 | .202 | 6 | .200\* | .853 | 6 | .167 |
| \*. This is a lower bound of the true significance. | | | | | | | |
| a. Lilliefors Significance Correction | | | | | | | |

Group-1 was control group and was given one ml dimethylsulfoxide (DMSO) for ten days by gavage Group-2 rats were given a single dosage of LPS (100 μg/kg b.w., i.p.). Group-3 rats were given LPS (100 μg/kg b.w., i.p.) + GN (50 mg/kg b.w. in DMSO); Group-4 rats were treated with GN (50 mg/kg b.w. in DMSO) alone