Supplementary Table S1: Nonparametric bivariate correlations for continuous study variables *

Variable	By variable	Spearman rho	Prob>|p|
MAX sTILs in implants	MAX sTILs in case	0.9743	<.0001
AVG sTILs in case	AVG sTILs in implants	0.9624	<.0001
AVG sTILs in ovaries	MAX sTILs in ovaries	0.9361	<.0001
AVG sTILs in implants	MAX sTILs in implants	0.9110	<.0001
AVG sTILs in case	MAX sTILs in case	0.9034	<.0001
TILs_Euclidean_CASE	MAX sTILs in case	0.8619	<.0001
AVG sTILs in case	AVG sTILs in ovaries	0.8559	<.0001
AVG sTILs in implants	AVG sTILs in ovaries	0.6917	<.0001
MAX sTILs in ovaries	MAX sTILs in case	0.6706	<.0001
MAX sTILs in implants	MAX sTILs in ovaries	0.5859	<.0001
MAX sTILs in case	IR load	0.5859	<.0001
MAX sTILs in implants	IR load	0.5791	<.0001
AVG sTILs in case	IR load	0.5254	<.0001
MAX sTILs in ovaries	IR load	0.5207	<.0001
AVG sTILs in implants	IR load	0.5147	<.0001
AVG sTILs in ovaries	IR load	0.5137	<.0001
TILs_Euclidean_CASE	SD load	0.4562	0.0001
MAX sTILs in case	SD load	0.4164	0.0003
MAX sTILs in implants	SD load	0.3948	0.0009
TILs_Euclidean_CASE	IR load	0.3764	0.0018
AVG sTILs in implants	SD load	0.3464	0.0041
AVG sTILs in case	SD load	0.3392	0.0041
SD load	IR load	0.2269	0.0589
AVG sTILs in ovaries	SD load	0.2090	0.0896
MAX sTILs in ovaries	SD load	0.1755	0.1587
MT load	SD load	-0.0169	0.8898
AVG sTILs in ovaries	MT load	-0.1449	0.2419
MAX sTILs in case	MT load	-0.1685	0.1632
TILs_Euclidean_CASE	MT load	-0.1726	0.1658
AVG sTILs in implants	MT load	-0.1782	0.1491
MAX sTILs in implants	MT load	-0.1811	0.1426
MT load	IR load	-0.1850	0.1252
AVG sTILs in case	MT load	-0.1934	0.1086
MAX sTILs in ovaries	PG load	-0.1960	0.1152
MAX sTILs in ovaries	MT load	-0.1990	0.1092
AVG sTILs in ovaries	PG load	-0.2473	0.0436
TILs_Euclidean_CASE	PG load	-0.2660	0.0308
AVG sTILs in case	PG load	-0.2826	0.0178
AVG sTILs in implants	PG load	-0.3056	0.0119
MAX sTILs in implants	PG load	-0.3404	0.0048
MAX sTILs in case	PG load	-0.3440	0.0035
PG load	IR load	-0.3779	0.0013
PG load	SD load	-0.5350	<.0001
MT load	PG load	-0.6460	<.0001

* compared in 64 - 70 cases according to data availability