

Table S1 Correlation analysis of strawberry growth indices with soil environmental factors and soil-borne pathogens

| | AN | NN | AP | AK | OM | pH | EC | S-CAT | S-SC | S-UE | <i>Fusarium</i> | <i>Phytophthora</i> | Height | Diameter | Chlorophyll II |
|---------------------|-----------|----------|----------|----------|---------|--------|----------|-----------|----------|--------|-----------------|---------------------|----------|----------|-------------------|
| AN | | | | | | | | | | | | | | | |
| NN | -0.076 | | | | | | | | | | | | | | |
| AP | 0.717*** | 0.213 | | | | | | | | | | | | | |
| AK | 0.296 | 0.670** | 0.780*** | | | | | | | | | | | | |
| OM | 0.786*** | -0.098 | 0.859*** | 0.504* | | | | | | | | | | | |
| pH | -0.017 | -0.397 | -0.183 | -0.390 | -0.109 | | | | | | | | | | |
| EC | 0.288 | 0.739*** | 0.603** | 0.827*** | 0.394 | -0.288 | | | | | | | | | |
| S-CAT | 0.628** | -0.617** | 0.230 | -0.350 | 0.398 | 0.489* | -0.396 | | | | | | | | |
| S-SC | 0.231 | -0.567* | 0.168 | -0.208 | 0.170 | 0.442 | -0.509* | 0.736*** | | | | | | | |
| S-UE | 0.297 | 0.870*** | 0.540* | 0.814*** | 0.235 | -0.258 | 0.779*** | -0.277 | -0.239 | | | | | | |
| <i>Fusarium</i> | -0.714*** | 0.709*** | -0.332 | 0.296 | -0.566* | -0.321 | 0.293 | -0.890*** | -0.529* | 0.401 | | | | | |
| <i>Phytophthora</i> | -0.661** | 0.761*** | -0.324 | 0.308 | -0.561* | -0.357 | 0.358 | -0.902*** | -0.626** | 0.440 | 0.988*** | | | | |
| Height | 0.840*** | -0.209 | 0.702** | 0.270 | 0.661** | 0.079 | 0.140 | 0.708** | 0.491* | 0.195 | -0.745*** | -0.723*** | | | |
| Diameter | 0.252 | -0.699** | 0.149 | -0.287 | 0.247 | 0.451 | -0.576* | 0.771*** | 0.972*** | -0.376 | -0.619** | -0.719*** | 0.464 | | |
| Chlorophyll | 0.593** | -0.513* | 0.605** | 0.139 | 0.666** | 0.263 | -0.172 | 0.740*** | 0.831*** | -0.078 | -0.706** | -0.777*** | 0.734*** | 0.863*** | |
| Weight | 0.702** | -0.572* | 0.498* | -0.069 | 0.577* | 0.338 | -0.239 | 0.910*** | 0.802*** | -0.162 | -0.884*** | -0.914*** | 0.853*** | 0.821*** | 0.911*** |

* $0.01 < P \leq 0.05$; ** $0.001 < P \leq 0.01$; *** $P \leq 0.001$.