**SUPPLEMENTAL INFORMATION**

**Profile and morphology of fungal aerosols characterized by field emission scanning electron microscopy (FESEM)**

Komlavi Anani Afanoua, Anne Straumforsa, Asbjørn Skogstada, Ida Skaarb, Linda Hjeljordc, Øivind Skarea, Brett James Greend, Arne Tronsmoc and Wijnand Eduarda#

**Table S1**: Distribution models for *A. fumigatus. A. versicolor* and *P. chrysogenum.* CLR mixed effect regression stratified by airflows and with generator particle types as fixed effects and repeated experiments as random effect. CLR: centered log ratio.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| --- |
|  *A. fumigatus*  |
|   | SPG versus FSSST |
|   | Flow =12Lmin-1 |   | Flow =20 Lmin-1 |
|   | B | SE | P-value |   | B | SE | P-value |
| Intercept | -0.65 | 0.63 | 0.3 |   | -2.69 | 0.62 | **<0.001** |
| Particles |  |
| LF1 | reference |
| LF2 | 0.77 | 0.88 | 0.4 |   | 0.46 | 0.88 | 0.6 |
| LF3 | 0.00 | 0.88 | 1.0 |   | 0.23 | 0.88 | 0.8 |
| SF | 0.00 | 0.88 | 1.0 |   | 4.04 | 0.88 | **<0.001** |
| S1 | 1.35 | 0.88 | 0.1 |   | 5.94 | 0.88 | **<0.001** |
| S2 | 2.76 | 0.88 | **0.002** |   | 4.35 | 0.88 | **<0.001** |
| S3 | 0.00 | 0.88 | 1 |   | 3.36 | 0.88 | **<0.001** |
| S4 | 0.00 | 0.88 | 1 |   | 3.46 | 0.88 | **0.005** |
| S5+ | 0.99 | 0.88 | 0.30 |   | 3.34 | 0.88 | **<0.001** |
|   |   |   |   |   |   |   |  |
| Interaction |  |
| SPG×LF1 | -1.73 | 0.88 | 0.05 |  | 1.47 | 0.88 | 0.1 |
| SPG×LF2 | -1.73 | 0.88 | 0.05 |   | 0.20 | 0.88 | 0.8 |
| SPG×LF3 | 0.75 | 0.88 | 0.4 |   | -0.56 | 0.88 | 0.5 |
| SPG×SF | 2.90 | 0.88 | **0.001** |   | -1.67 | 0.88 | 0.06 |
| SPG×S1 | 2.00 | 0.88 | 0.02 |   | -0.36 | 0.88 | 0.7 |
| SPG×S2 | -1.00 | 0.88 | 0.3 |   | -0.32 | 0.88 | 0.7 |
| SPG×S3 | -0.02 | 0.88 | 1.0 |   | 0.05 | 0.88 | 1.0 |
| SPG×S4 | -0.12 | 0.88 | 0.9 |   | 0.46 | 0.88 | 0.6 |
| SPG×S5+ | -1.06 | 0.88 | 0.2 |   | 0.73 | 0.88 | 0.4 |
|  |  |  |  |  |  |  |  |
| LR test |   |   |   |   |   |   |   |
| df  | 8 |   |   |   | 8 |   |   |
| Chi2 | **0.005** |   | 0.5 |

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|  |
| --- |
|  *A. versicolor* |
|   | SPG versus FSSST |
|   | Flow =12 Lmin-1 |   | Flow =20 Lmin-1 |
|   | B | SE | P |   | B | SE | P-value |
|  | 0.73 | 0.50 | 0.1 |   | -0.61 | 0.47 | 0.2 |
|  | reference |
|  | 0.58 | 0.70 | 0.4 |   | 0.00 | 0.67 | 1 |
|  | 0.66 | 0.70 | 0.3 |   | 0.00 | 0.67 | 1 |
|  | 3.03 | 0.70 | **<0.001** |   | 2.57 | 0.67 | **<0.001** |
|  | -2.32 | 0.70 | **0.001** |   | 0.63 | 0.67 | 0.3 |
|  | -2.32 | 0.70 | **0.001** |   | 0.40 | 0.67 | 0.5 |
|  | -2.32 | 0.70 | **0.001** |   | 0.94 | 0.67 | 0.2 |
|  | -2.32 | 0.70 | **0.001** |   | -0.60 | 0.67 | 0.4 |
|  | -1.55 | 0.70 | 0.03 |   | 1.54 | 0.67 | 0.02 |
|  |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |
|  | 0.24 | 0.70 | 0.7 |   | -1.14 | 0.67 | 0.09 |
|  | 0.96 | 0.70 | 0.2 |   | -2.21 | 0.67 | **0.001** |
|  | -1.64 | 0.70 | 0.02 |   | -1.21 | 0.67 | 0.07 |
|  | -3.37 | 0.70 | **<0.001** |   | -0.29 | 0.67 | 0.7 |
|  | 1.57 | 0.70 | 0.03 |   | 1.28 | 0.67 | 0.06 |
|  | 1.20 | 0.70 | 0.09 |   | 1.56 | 0.67 | 0.02 |
|  | -0.34 | 0.70 | 0.6 |   | 0.11 | 0.67 | 0.9 |
|  | 0.43 | 0.70 | 0.5 |   | 1.13 | 0.67 | 0.09 |
|  | 0.95 | 0.70 | 0.2 |   | 0.79 | 0.67 | 0.2 |
|  |   |   |   |   |   |   |   |
|  |  |  |  |
|  | 8 |   | 8 |
|  | **<0.001** |   | **0.002** |

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|  |
| --- |
|   *P. chrysogenum* |
|   | SPG versus FSSST |
|   | Flow =12 Lmin-1 |   | Flow =20 Lmin-1 |
|  | B | SE | P |   | B | SE | P-value |
|  | 0.57 | 0.41 | 0.2 |   | -0.31 | 0.42 | 0.5 |
|  | reference |
|  | -1.34 | 0.58 | 0.02 |   | 0.00 | 0.59 | 1 |
|  | -0.81 | 0.58 | 0.2 |   | 1.23 | 0.59 | 0.04 |
|  | 3.76 | 0.58 | **<0.001** |   | 0.00 | 0.59 | 1 |
|  | -1.34 | 0.58 | 0.02 |   | 0.77 | 0.59 | 0.2 |
|  | -1.34 | 0.58 | 0.02 |   | 0.00 | 0.59 | 1 |
|  | -1.34 | 0.58 | 0.02 |   | 0.00 | 0.59 | 1 |
|  | -1.34 | 0.58 | 0.02 |   | 0.00 | 0.59 | 1 |
|  | -1.34 | 0.58 | 0.02 |   | 0.77 | 0.59 | 0.2 |
|  |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |
|  | -0.66 | 0.58 | 0.3 |  | -0.53 | 0.59 | 0.4 |
|  | -0.08 | 0.58 | 0.9 |  | 0.78 | 0.59 | 0.2 |
|  | -0.62 | 0.58 | 0.3 |  | 1.33 | 0.59 | 0.03 |
|  | -1.57 | 0.58 | **0.007** |  | 1.81 | 0.59 | **0.002** |
|  | 2.44 | 0.58 | ***<0.*001** |  | -0.14 | 0.59 | 0.8 |
|  | 0.23 | 0.58 | 0.7 |  | -0.51 | 0.59 | 0.4 |
|  | 0.23 | 0.58 | 0.7 |  | -0.48 | 0.59 | 0.4 |
|  | -0.54 | 0.58 | 0.4 |  | -1.41 | 0.59 | 0.02 |
|  | 0.57 | 0.58 | 0.3 |  | -0.88 | 0.59 | 0.2 |
|  |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |
|  | 8 |   |   |   | 8 |   |   |
|  | **0.003** |  |  |   | **0.007** |  |  |

 |

B: regression coefficient. SE: standard error. P-values: significant values in bold. df: degree of freedom. LR: likelihood ratio test. S1: Single spores; Aggregates of 2 (S2), 3 (S3), 4 (S4), ≥5 (S5) spores. SF: Submicronic fragments, LF1: 1-2µm fragments, LF2: 2-3.5µm fragments and LF3: ≥3.5µm fragments.

**Table S2**: Distribution models for *A. fumigatus. A. versicolor* and *P. chrysogenum.* CLR mixed effect regression stratified by generators with airflow and particle types as fixed effects and repeated experiments as random effect. CLR: centered log ratio.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| --- |
|  *A. fumigatus*  |
|   | 12Lmin-1 versus 20Lmin-1 |
|   | Generator =SPG |   | Generator =FSSST |
|   | B | SE | P |   | B | SE | P-value |
| InterceptParticles | -2.38 | 0.59 | **<0.001** |   | -0.65 | 0.66 | 0.3 |
| LF1 | reference |
| LF2 | 0.77 | 0.83 | 0.3 |   | 0.77 | 0.93 | 0.4 |
| LF3 | 2.48 | 0.83 | **0.003** |   | 0.00 | 0.93 | 1 |
| SF | 4.63 | 0.83 | **<0.001** |   | 0.00 | 0.93 | 1 |
| S1 | 5.08 | 0.83 | **<0.001** |   | 1.35 | 0.93 | 0.1 |
| S2 | 3.49 | 0.83 | **<0.001** |   | 2.76 | 0.93 | **0.003** |
| S3 | 1.71 | 0.83 | 0.04 |   | 0.00 | 0.93 | 1 |
| S4 | 1.61 | 0.83 | 0.05 |   | 0.00 | 0.93 | 1 |
| S5+ | 1.67 | 0.83 | 0.05 |   | 0.99 | 0.93 | 0.3 |
|   |   |   |   |   |   |   |   |
| Interaction |   |   |   |   |   |   |  |
| 20 Lmin-1×LF1 | 1.17 | 0.83 | 0.2 |  | -2.03 | 0.93 | 0.03 |
| 20 Lmin-1×LF2 | -0.41 | 0.83 | 0.6 |   | -2.34 | 0.93 | 0.012 |
| 20 Lmin-1×LF3 | -3.12 | 0.83 | **<0.001** |   | -1.80 | 0.93 | 0.05 |
| 20 Lmin-1×SF | -2.56 | 0.83 | **0.002** |   | 2.00 | 0.93 | 0.03 |
| 20 Lmin-1×S1 | 0.19 | 0.83 | 0.8 |   | 2.56 | 0.93 | 0.006 |
| 20 Lmin-1×S2 | 0.24 | 0.83 | 0.8 |   | -0.45 | 0.93 | 0.6 |
| 20 Lmin-1×S3 | 1.40 | 0.83 | 0.09 |   | 1.33 | 0.93 | 0.2 |
| 20 Lmin-1×S4 | 1.01 | 0.83 | 0.2 |   | 0.43 | 0.93 | 0.6 |
| 20 Lmin-1×S5+ | 2.09 | 0.83 | **0.012** |   | 0.30 | 0.93 | 0.7 |
|  |  |  |  |  |  |  |  |
| LR test |   |   |   |   |   |   |   |
| df | 8 |   |   |   | 8 |   |   |
| Chi2 | **<0.001** |  | **0.003** |

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|  |
| --- |
| *A. versicolor*  |
| 12Lmin-1 versus 20Lmin-1 |
| Generator =SPG |   | Generator =FSSST |
| B | SE | P |   | B | SE | P-value |
| 0.97 | 0.49 | 0.05 |   | 0.73 | 0.47 | 0.1 |
|  reference |
| 1.30 | 0.70 | 0.06 |   | 0.58 | 0.67 | 0.4 |
| -1.23 | 0.70 | 0.08 |   | 0.66 | 0.67 | 0.3 |
| -0.58 | 0.70 | 0.4 |   | 3.03 | 0.67 | **<0.001** |
| -0.99 | 0.70 | 0.2 |   | -2.32 | 0.67 | **0.001** |
| -1.36 | 0.70 | 0.05 |   | -2.31 | 0.67 | **0.001** |
| -2.90 | 0.70 | **<0.001** |   | -2.31 | 0.67 | **0.001** |
| -2.13 | 0.70 | **0.002** |   | -2.31 | 0.67 | **0.001** |
| -0.84 | 0.70 | 0.2 |   | -1.55 | 0.67 | 0.02 |
|   |
|  |
| -2.72 | 0.70 | **<0.001** |  | -1.34 | 0.67 | 0.05 |
| -5.10 | 0.70 | **<0.001** |   | -1.92 | 0.67 | **0.004** |
| -1.56 | 0.70 | **0.03** |   | -1.99 | 0.67 | **0.003** |
| 1.28 | 0.70 | 0.07 |   | -1.80 | 0.67 | **0.007** |
| 1.33 | 0.70 | 0.06 |   | 1.61 | 0.67 | **0.016** |
| 1.73 | 0.70 | **0.013** |   | 1.38 | 0.67 | 0.04 |
| 2.37 | 0.70 | **0.001** |   | 1.92 | 0.67 | **0.004** |
| 1.08 | 0.70 | 0.1 |   | 0.38 | 0.67 | 0.6 |
| 1.59 | 0.70 | **0.02** |   | 1.75 | 0.67 | **0.009** |
|  |  |  |  |  |  |  |
|   |   |   |   |   |   |   |
| 8 |   | 8 |
| **<0.001** |   | **<0.001** |

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| --- |
| *P. chrysogenum* |
| 12 Lmin-1 versus 20 Lmin-1 |
| Generator =SPG |   | Generator =FSSST |
| B | SE | P |   | B | SE | P-value |
| -0.09 | 0.48 | 0.9 |   | 0.57 | 0.33 | 0.09 |
|  reference |
| -0.77 | 0.68 | 0.3 |   | -1.34 | 0.47 | **0.004** |
| -0.77 | 0.68 | 0.3 |   | -0.81 | 0.47 | 0.09 |
| 2.85 | 0.68 | **<0.001** |   | 3.76 | 0.47 | **<0.001** |
| 1.75 | 0.68 | 0.010 |   | -1.34 | 0.47 | **0.004** |
| -0.45 | 0.68 | 0.5 |   | -1.34 | 0.47 | **0.004** |
| -0.45 | 0.68 | 0.5 |   | -1.34 | 0.47 | **0.004** |
| -1.22 | 0.68 | 0.07 |   | -1.34 | 0.47 | **0.004** |
| -0.12 | 0.68 | 0.9 |   | -1.34 | 0.47 | **0.004** |
|   |   |   |   |   |   |  |
|   |   |   |   |   |   |   |
| -0.75 | 0.68 | 0.3 |  | -0.87 | 0.47 | 0.06 |
| 1.34 | 0.68 | 0.05 |  | 0.47 | 0.47 | 0.3 |
| 3.11 | 0.68 | **<0.001** |  | 1.16 | 0.47 | **0.013** |
| -1.25 | 0.68 | 0.07 |  | -4.64 | 0.47 | **<0.001** |
| -1.35 | 0.68 | 0.05 |  | 1.24 | 0.47 | **0.008** |
| -0.27 | 0.68 | 0.7 |  | 0.47 | 0.47 | 0.3 |
| -0.24 | 0.68 | 0.7 |  | 0.47 | 0.47 | 0.3 |
| -0.40 | 0.68 | 0.6 |  | 0.47 | 0.47 | 0.3 |
| -0.18 | 0.68 | 0.8 |  | 1.24 | 0.47 | **0.008** |
|   |   |   |   |   |   |   |
|  |  |  |
| 8 |   | 8 |
| **0.001** |   | **<0.001** |

 |

B: regression coefficient. SE: standard error. P-values, significant values in bold. df: degree of freedom. LR: likelihood ratio test. S1: Single spores; Aggregates of 2 (S2), 3 (S3), 4 (S4), ≥5 (S5) spores. SF: Submicronic fragments, LF1: 1-2µm fragments, LF2: 2-3.5µm fragments and LF3: ≥3.5µm fragments