**Supplementary 1.** Correlation analysis between MELD and DF with other variables

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| **Variable** | **Spearman correlation coefficient** | **P-value** |
| Infection vs. DF Score | 0.16 | 0.09 |
| Antibiotic intake vs. DF Score | 0.25 | < 0.01 |
| Infection vs. MELD score | 0.26 | < 0.01 |
| Antibiotic intake vs. MELD score | 0.27 | < 0.01 |
| Age vs. DF Score | 0.14 | 0.14 |
| Age vs. MELD Score | 0.20 | 0.04 |
| BMI vs. DF Score (n = 106) | 0.23 | 0.02 |
| BMI vs. MELD Score (n = 106) | 0.26 | < 0.01 |

Note: some of the variables are highly skewed so Spearman correlation coefficient was derived. BMI: body mass index; DF: discriminant function; MELD: model for end-stage liver disease.