Supplementary Table S1. Baseline and follow up of renal function within different CsA starting doses

| Variable                                                                 | 3mg/kg (n=366) | 5mg/kg (n=153) | p-value |
|--------------------------------------------------------------------------|----------------|----------------|---------|
| CKD-staging at baseline, CKD Stages, n (%)                              |                |                | 0.097   |
| Stage 1 (eGFR ≥90)                                                       | 288 (79)       | 107 (70)       |         |
| Stage 2 (eGFR 60-89)                                                     | 59 (16)        | 36 (24)        |         |
| Stage 3 (eGFR 30-59)                                                    | 19 (5)         | 10 (6)         |         |
| Stage 4 (eGFR 15-29)                                                    | 0 (0)          | 0 (0)          |         |
| Stage 5 (eGFR ≤15)                                                      | 0 (0)          | 0 (0)          |         |
| CKD-staging d 7 post-HCT, CKD-Stages, n (%)                             |                |                | 0.104   |
| Stage 1 (eGFR ≥90)                                                      | 270 (74)       | 99 (65)        |         |
| Stage 2 (eGFR 60-89)                                                    | 70 (19)        | 45 (29)        |         |
| Stage 3 (eGFR 30-59)                                                    | 23 (6)         | 9 (6)          |         |
| Stage 4 (eGFR 15-29)                                                    | 2 (1)          | 0 (0)          |         |
| Stage 5 (eGFR ≤15)                                                      | 1 (0)          | 0 (0)          |         |
| Serum creatinine at baseline (µmol/l), median (IQR)                     | 59 (50-75)     | 64 (52-81)     | 0.022   |
| eGFR (CDK-EPI, ml/min/1.73m²), median (IQR)                             |                |                |         |
| Day 0                                                                   | 105 (92-117)   | 101 (84-114)   | 0.059   |
| Day 7                                                                   | 102 (88-114)   | 98 (83-112)    | 0.054   |

Abbreviation: CDK: chronic kidney disease, CsA: Cyclosporine A, eGFR: estimated glomerular filtration rate, HCT: hematopoietic stem cell transplantation, KDIGO: kidney disease: improving global outcome

Supplementary Table S2: Median CsA levels in different CsA starting doses of 3mg/kg/d and 5mg/kg/d at day0 until day30 after HCT

| Day  | 3mg/kg/d CsA median (IQR) | 5mg/kg/d CsA median (IQR) | No. of Individuals with missing data |
|------|---------------------------|---------------------------|--------------------------------------|
| d0   | 114 (85-153)              | 128 (100-169)             | 42                                   |
| d2-4 | 140 (107-182)             | 162 (128-204)             | 64                                   |
| d10  | 179 (147-218)             | 200 (161-242)             | 3                                    |
| d17  | 214 (173-270)             | 234 (195-294)             | 25                                   |
| d24  | 203 (160-256)             | 219 (176-295)             | 36                                   |
| d30  | 182 (133-239)             | 188 (134-248)             | 47                                   |