**S1 Table. Mutation analysis results from CRC samples collected in K2EDTA and cfDNA BCTs (study cohort III).** DNA extracted from 2 ml plasma was quantified using the 96 bp LINE-1 qPCR assay. BEAMing was used to test for *RAS* mutations, andthe number of mutant molecules was determined by multiplying the mutant fraction by the respective DNA amount of the sample.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sample ID**  | **Stage** | **Mutation** | **Mutant fraction (%)** | **Total DNA Amount (GE)** | **Mutant molecules** |
| Donor 2, K2EDTA, 2 h, RT | IVB | KRAS\_g38a | 32.83 | 117553 | 38593 |
| Donor 2, cfDNA BCT, 2 h, RT | 41.63 | 93975 | 39119 |
| Donor 2, cfDNA BCT, 3 d, RT | 40.84 | 94172 | 38457 |
| Donor 3, K2EDTA, 2 h, RT | IVA | KRAS\_g34t | 27.86 | 70947 | 19768 |
| Donor 3, cfDNA BCT, 2 h, RT | 26,24 | 45306 | 11887 |
| Donor 3, cfDNA BCT, 3 d, RT | 16.87 | 58550 | 9877 |
| Donor 5, K2EDTA, 2 h, RT | IIA | KRAS\_g38a | 0.02 | 21197 | 4 |
| Donor 5, cfDNA BCT, 2 h, RT | 0.11 | 18873 | 21 |
| Donor 5, cfDNA BCT, 3 d, RT | 0.05 | 21505 | 11 |
| Donor 7, K2EDTA, 2 h, RT | IV | KRAS\_g35a | 24.36 | 518814 | 126362 |
| Donor 7, cfDNA BCT, 2 h, RT | 27.25 | 554853 | 151175 |
| Donor 7, cfDNA BCT, 3 d, RT | 22.70 | 501963 | 113966 |
| Donor 7, K2EDTA, 2 h, RT | IV | NRAS\_g34a | 0.03 | 518814 | 151 |
| Donor 7, cfDNA BCT, 2 h, RT | 0.03 | 554853 | 144 |
| Donor 7, cfDNA BCT, 3 d, RT | 0.04 | 501963 | 216 |
| Donor 10, K2EDTA, 2 h, RT | IIIB | KRAS\_a183t | 0.16 | 14514 | 24 |
| Donor 10, cfDNA BCT, 2 h, RT | 0.10 | 14883 | 15 |
| Donor 10, cfDNA BCT, 3 d, RT | 0.17 | 23001 | 39 |
| Donor 18, K2EDTA, 2 h, RT | IVB | KRAS\_g35t | 3.88 | 28816 | 1119 |
| Donor 18, cfDNA BCT, 2 h, RT | 2.92 | 21746 | 636 |
| Donor 18, cfDNA BCT, 3 d, RT | 2.31 | 20766 | 479 |