**Supplemental file S2**: Arsenic subspecies found in the urine of 42 pet dogs and 42 dog owners. Data are reported as medians with observed ranges, and are shown as measured, uncorrected for urine creatinine. Levels below the limit of detection were encoded as one unit below the limit of detection.

|  |  |  |
| --- | --- | --- |
| **Arsenic species** | **Dog urine** | **Human urine** |
| Dimethylarsinic acid (DMA; ng/mL) | 29.35(0.061-298.6) | 2.56(0.56-24.25) |
| Monomethylarsonic acid (MMA; ng/mL) | 0.061(0.06-14.9) | 0.35(0.061-2.07) |
| Arsenic (III)(ng/mL) | 0.011(0.01-0.25) | 0.011(0.01-6.13) |
| Arsenic (V)(ng/mL) | 0.43(0.021-11.9) | 0.12(0.021-1.11) |
| Arsenocholine(ng/mL) | 0.081(0.08-6.65) | 0.081(0.08-0.23) |
| Arsenobetaine (ng/mL) | 0.081(0.08-260.32) | 0.48(0.081-84.02) |
| Total arsenic(ng/mL) | 50.43(2.16-369.51) | 5.13(0.86-88.93) |

1Below the limit of detection