|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mice** | **Wild-Type** | | **Mecp2-/y** | | | **Reference value #** | **Normal Range** |
| **AAV**  **(dose)** | None | iMecp2 (1012) | None | GFP (1012) | iMecp2 (1012) | None |  |
| **ALB**  **(g/dL)** | 3,23 ± 0,39 | 3,50 ± 0,69 | 3,17 ± 0,75 | 3,43 ± 0,64 | 3,85 ± 0,35 | 3,87 ± 0,20 | 2,7 / 3,6 |
| **ALP**  **(U/L)** | 109 ± 54 | 116 ± 18 | 131 ± 14 | 114 ± 28 | 140 ± 22 | 140 ± 16 | 100 / 140 |
| **ALT**  **(U/L)** | 43 ± 11 | 52 ± 27 | 71 ± 2 | 60 ± 6 | 68 ± 13 | 79 ± 19 | 0 / 70 |
| **Liver HE** | C:\Users\gedeb\Desktop\lab\mecp2 HITI\cba mecp2\Aperio 2019-04-18\WT sal.tif | C:\Users\gedeb\Desktop\lab\mecp2 HITI\cba mecp2\Aperio 2019-04-18\WT M2 10^12.tif | C:\Users\gedeb\Desktop\lab\mecp2 HITI\cba mecp2\Aperio 2019-04-18\KO7 lvr sal.tif | C:\Users\gedeb\Desktop\lab\mecp2 HITI\cba mecp2\Aperio 2019-04-18\KO11 lvr GFP^12.tif | C:\Users\gedeb\Desktop\lab\mecp2 HITI\cba mecp2\Aperio 2019-04-18\KO6 lvr M2^12.tif |  |  |

**Supplementary File 1b**

No evidence of liver toxicity in mice administered with high dose of AAV treatments. Blood serum levels of liver enzyme and liver histochemical analysis (representative images) were used as indicators of liver health. # Reference values for C57BL/6J male mice were taken from the mouse phenome database https://phenome.jax.org/. Abbreviations, Treat: treatment, ALB: albumin, ALP: Alkaline phosphatase, ALT: Alanine aminotransferase, HE: hematoxylin/eosin staining. All values are indicated as mean ± SD, n = 3, SD. Scale bar: 200 µm