

SUPPLEMENTAL MATERIAL

Molle et al., <http://www.jem.org/cgi/content/full/jem.20120707/DC1>



Video 1. TTP-associated osteopenia and increased bone remodeling are dependent on IL23. Maximum Intensity Projection Image of a CT scan (CT: 65 kV, 1,100 ms/proj., 123 μ A, 142 μ m cubic voxel size). From an 8-wk-old WT mouse. Quantification of mean bone density (in Hounsfield units): WT: 1,136.77 HU.



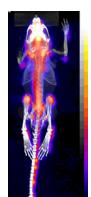
Video 2. TTP-associated osteopenia and increased bone remodeling are dependent on IL23. Maximum Intensity Projection Image of a CT scan (same parameters as Video 1) from an 8-wk-old TTP^{-/-} mouse. Quantification of mean bone density (in Hounsfield units): 961.5 HU.



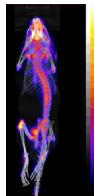
Video 3. TTP-associated osteopenia and increased bone remodeling are dependent on IL23. Maximum Intensity Projection Image of a CT scan (same parameters as Video 1) from an 8-wk-old IL23p19^{-/-} TTP^{-/-} mouse. Quantification of mean bone density (in Hounsfield units): 1,363.7 HU.



Video 4. TTP-associated osteopenia and increased bone remodeling are dependent on IL23. Maximum Intensity Projection Image of a PET-CT scan (PET: 30-min acquisition, 1:3 coincidence mode, reconstruction with 2D OSEM after Single Slice Rebinning, Ring difference 8; CT: 65 kV, 1,100 ms/proj., 123 μ A) 1 h after IV injection of [¹⁸F]-NaF of a WT mouse. Quantification of mean [¹⁸F]-NaF uptake: 1.97⁻⁶ Bq/ml.



Video 5. TTP-associated osteopenia and increased bone remodeling are dependent on IL23. Maximum Intensity Projection Image of a PET-CT scan (same parameters as in Video 4) 1 h after IV injection of [¹⁸F]-NaF of a TTP^{-/-} mouse. Quantification of mean [¹⁸F]-NaF uptake: 3.09⁻⁶ Bq/ml.



Video 6. TTP-associated osteopenia and increased bone remodeling are dependent on IL23. Maximum Intensity Projection Image of a PET-CT scan (same parameters as in Video 4) 1 h after IV injection of [^{18}F]-NaF of an IL23p19 $^{-/-}$ TTP $^{-/-}$ mouse. Quantification of mean [^{18}F]-NaF uptake: 2.55 $\times 10^{-6}$ Bq/ml.