Metadata Summary

**SampleID** defines the unique mouse identification number, which is a composite of the experiment number (e.g. “F8”) and the mouse number (e.g. “1”). Mouse number 1 from experiment F8 is identified as “F8-1”.

**UniversalCageNumber** defines the housing cage for each mouse, which is the composite of the experiment number (e.g. “F8”) and the cage number (e.g. “cage-1”). A mouse in cage 1 from experiment F8 is housed in “F8-cage-1”.

**Background** defines the mouse strain.

**FMTGroupFMTsourcegtRecipientbackground** defines the FMT source input and recipient background, which is referred to in the manuscript as the "FMT group". In the original nomenclature meta-data, "gt" stands for "goes to", which was replaced by "->" in the manuscript for readability. To improve readability and clarity, nomenclature for FMT inputs were also updated as below for the manuscript.

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| --- | --- |
| Original nomenclature | Updated nomenclature |
| 1gKO | IMM-g1 |
| 2gKO | IMM-g2 |
| 1gWT | NIMM-g1 |
| 2gWT | NIMM-g2 |
| hFMT.1.2.3 | HM1 |
| hFMT.3.4.5 | HM2 |

In the original nomenclature, a 129.KO mouse colonized with 1gKO input FMT is identified as "1gKOgtKO". In the updated nomenclature, the same mouse is identified as IMM-g1->KO.

**ExperimentNumber** defines the individual experiment number.

**Sex** defines the mouse sex as male (M) or female (F).

**Agewk** defines the mouse age at the time of harvest/necropsy in weeks.

**SampleType** defines the submitted sample type, which was either a mouse fecal pellet (Fecalpellet), human stool, or cryopreserved FMT slurry.