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| Group | Variable Name | Description | Codes |
| Acute GVHD | agvhd\_ii\_iv | Grade II-IV acute GVHD | 0=no; 1=yes |
| Chronic GVHD score | sc\_skin | Skin involvement | 0=no; 1=mild; 2=moderate; 3=severe |
| Chronic GVHD score | sc\_liver | Liver involvement | 0=no; 1=mild; 2=moderate; 3=severe |
| Chronic GVHD score | sc\_mouth | Mouth involvement | 0=no; 1=mild; 2=moderate; 3=severe |
| Chronic GVHD score | sc\_gi | Gastrointestinal involvement | 0=no; 1=mild; 2=moderate; 3=severe |
| Chronic GVHD score | sc\_eye | Eye involvement | 0=no; 1=mild; 2=moderate; 3=severe |
| Chronic GVHD score | sc\_joint | Joint involvement | 0=no; 1=mild; 2=moderate; 3=severe |
| Chronic GVHD score | sc\_genital | Genital involvement | 0=no; 1=mild; 2=moderate; 3=severe |
| Chronic GVHD score | sc\_lung | Lung involvement | 0=no; 1=mild; 2=moderate; 3=severe |
| Patient characteristic | age\_draw | Age when blood drawn | years |
| Patient characteristic | female | Sex | 0=male; 1=female |
| Patient characteristic | yrs\_tx2draw | Years from transplant to blood drawn | years |
| Chronic GVHD characteristic | type | Duration of chronic GVHD before draw | Incident=chronic GVHD diagnosed within past 3 mos; prevalent=chronic GVHD diagnosis more than 3 mos before blood draw |
| Patient characteristic | ind\_ster | Was pt taking steroids? | 0=no; 1=yes |
| Protein | baff | B cell activating factor | Normalized value |
| Protein | cd163 | Cluster determination (CD) 163 | Normalized value |
| Protein | dkk3 | Dickkopf protein; involved in cell differentiation and maintenance, including myofibroblasts | Normalized value |
| Protein | gmcsf | Granulocyte-macrophage colony stimulating factor; enhances number and function of granulocytes and macrophages | Normalized value |
| Protein | il\_12\_il23p40 | Stimulates T cells and immune system; measures protein found in both IL-12 and IL-23 | Normalized value |
| Protein | il\_6 | Stimulates T and B cells and immune system | Normalized value |
| Protein | il\_8 | Attracts granulocytes; activates immune system | Normalized value |
| Protein | il12 | Stimulates T cells and immune system; just measures IL-12 so in theory should be “less” than il\_12\_1l23p40 which measure two proteins but using a different assay | Normalized value |
| Protein | il17 | Stimulates immune system | Normalized value |
| Protein | il18 | Stimulates immune system | Normalized value |
| Protein | il21 | Stimulates T and B cells and immune system | Normalized value |
| Protein | ip10 | “interferon gamma-induced protein 10,” also known as CXCL10; attracts and activates immune cells | Normalized value |
| Protein | mcp1 | Monotype chemoattractant protein-1; attracts immune cells | Normalized value |
| Protein | mcsf | Macrophage colony stimulating factor, also known as CSF-1; attracts monocytes/macrophages | Normalized value |
| Protein | mig | Monokine induced by gamma interferon, also known as CXCL9; attracts and activates immune cells | Normalized value |
| Protein | mmp3 | Matrix metalloproteinase 3, remodels tissues during healing | Normalized value |
| Protein | mmp9 | Matrix metalloproteinase 9, remodels tissues during healing | Normalized value |
| Protein | reg\_3a | Regenerating islet derived protein 3 alpha, secreted by intestinal cells | Normalized value |
| Protein | st2 | Suppressor of tumorigenicity 2; increases during inflammation | Normalized value |

sc\_ denotes organ scoring; il=interleukin (IL); NA=not applicable

Notes

1. Chemokine or chemoattractant=causes immune cells to migrate to certain areas
2. Monocytes differentiate into macrophages