

Mouse Trait	MPO	HPO
<i>Insulin secretion in response to 3.3mM glucose</i> <i>Insulin secretion in response to 8.3mM glucose</i> <i>Insulin secretion in response to 16.7mM glucose</i> <i>Insulin secretion in response to amino acids and 8.3mM glucose</i> <i>Insulin secretion in response to 100nM GLP1 and 8.3mM glucose</i> <i>Insulin secretion in response to 40mM KCL and 3.3mM glucose</i> <i>Insulin secretion in response to 0.5mM palmitic acid and 16.7mM glucose</i> <i>Islet insulin content</i> <i>AUC_{insulin} during an oGTT</i>	Abnormal insulin secretion	Abnormal insulin level
<i>Glucagon secretion in response to 40mM KCL and 3.3mM glucose</i> <i>Islet glucagon content</i>	Abnormal glucagon secretion	Abnormal glucagon level
<i>Number of islets harvested per mouse</i>	Abnormal pancreatic islet number	Abnormality of the pancreatic islet cells
<i>Fasting plasma glucose at 6 wk</i> <i>Fasting plasma glucose at 10 wk</i> <i>Fasting plasma glucose at 14 wk</i> <i>Fasting plasma glucose at sacrifice</i>	Abnormal fasted circulating glucose level	Abnormality of blood glucose concentration*
<i>Fasting plasma insulin at 6 wk</i> <i>Fasting plasma insulin at 10 wk</i> <i>Fasting plasma insulin at 14 wk</i> <i>Fasting plasma insulin at sacrifice</i>	Abnormal circulating insulin level	Abnormal circulating insulin level
<i>Fasting plasma triglyceride at 6 wk</i> <i>Fasting plasma triglyceride at 10 wk</i> <i>Fasting plasma triglyceride at 14 wk</i> <i>Fasting plasma triglyceride at sacrifice</i>	Abnormal circulating triglyceride level	Abnormality of lipid metabolism*
<i>Body weight at 6 wk</i> <i>Body weight at 10 wk</i> <i>Body weight at 14 wk</i> <i>Body weight at sacrifice</i>	Abnormal body weight	Abnormality of body weight
<i>HOMA-IR</i>	Insulin resistance	Insulin resistance
<i>HOMA-B</i>	Abnormal pancreatic beta cell physiology	Beta-cell dysfunction
<i>AUC_{glucose} during an oGTT</i>	Abnormal glucose tolerance	Abnormal oral glucose tolerance
<i>Avg. food consumption/mouse/day</i>	Abnormal food intake	Abnormal eating behavior*