

Adipose	
FUNCTION	ADJ_P_VALUE
vasculature development	2 × 10 ⁻¹⁵
blood vessel development	8 × 10 ⁻¹⁵
blood vessel morphogenesis	2 × 10 ⁻¹⁴
angiogenesis	5 × 10 ⁻¹³
cell chemotaxis	2 × 10 ⁻⁸
regulation of angiogenesis	1 × 10 ⁻⁷
regulation of vasculature development	2 × 10 ⁻⁷
positive regulation of cell motility	2 × 10 ⁻⁷
positive regulation of cell migration	2 × 10 ⁻⁷
leukocyte chemotaxis	2 × 10 ⁻⁷

Liver	
FUNCTION	ADJ_P_VALUE
monocarboxylic acid metabolic process	7 × 10 ⁻⁵¹
small molecule catabolic process	7 × 10 ⁻³⁹
organic acid catabolic process	4 × 10 ⁻³⁶
carboxylic acid catabolic process	2 × 10 ⁻³⁵
steroid metabolic process	7 × 10 ⁻³³
small molecule biosynthetic process	4 × 10 ⁻³¹
cellular amino acid metabolic process	1 × 10 ⁻²⁸
fatty acid metabolic process	6 × 10 ⁻²⁸
organic hydroxy compound metabolic process	9 × 10 ⁻²⁸
alpha-amino acid metabolic process	3 × 10 ⁻²⁷

Cervix	
FUNCTION	ADJ_P_VALUE
axoneme assembly	1 × 10 ⁻⁴
cilium assembly	1 × 10 ⁻⁴
cilium organization	3 × 10 ⁻⁴
plasma membrane bounded cell projection assembly	4 × 10 ⁻⁴
animal organ formation	4 × 10 ⁻⁴
microtubule bundle formation	5 × 10 ⁻⁴
cell projection assembly	5 × 10 ⁻⁴
cilium movement	6 × 10 ⁻⁴
morphogenesis of a branching structure	1 × 10 ⁻³
skeletal system development	1 × 10 ⁻³

Adrenal Gland	
FUNCTION	ADJ_P_VALUE
sulfur compound metabolic process	3 × 10 ⁻³
lipid biosynthetic process	3 × 10 ⁻³
mitochondrial respiratory chain complex assembly	3 × 10 ⁻³
steroid metabolic process	2 × 10 ⁻²
secondary alcohol metabolic process	2 × 10 ⁻²
sterol metabolic process	2 × 10 ⁻²
regulation of lipid biosynthetic process	2 × 10 ⁻²
cholesterol metabolic process	3 × 10 ⁻²
steroid biosynthetic process	3 × 10 ⁻²
mitochondrial transmembrane transport	4 × 10 ⁻²

Lung	
FUNCTION	ADJ_P_VALUE
immune effector process	1 × 10 ⁻³⁸
regulation of cell activation	1 × 10 ⁻³⁸
regulation of leukocyte activation	1 × 10 ⁻³⁵
positive regulation of immune response	3 × 10 ⁻³⁵
adaptive immune response	1 × 10 ⁻³⁴
leukocyte mediated immunity	3 × 10 ⁻³⁴
lymphocyte activation	5 × 10 ⁻³⁴
cytokine production	4 × 10 ⁻³³
regulation of cytokine production	1 × 10 ⁻³²
T cell activation	1 × 10 ⁻³²

Skin	
FUNCTION	ADJ_P_VALUE
epidermis development	2 × 10 ⁻²¹
skin development	9 × 10 ⁻²¹
keratinization	6 × 10 ⁻¹⁷
keratinocyte differentiation	2 × 10 ⁻¹⁴
epidermal cell differentiation	1 × 10 ⁻¹⁰
intermediate filament cytoskeleton organization	9 × 10 ⁻¹⁰
intermediate filament-based process	1 × 10 ⁻⁹
intermediate filament organization	6 × 10 ⁻⁹
regulation of water loss via skin	2 × 10 ⁻⁸
establishment of skin barrier	1 × 10 ⁻⁷

Minor Salivary Gland	
FUNCTION	ADJ_P_VALUE
epidermis development	2 × 10 ⁻⁵
skin development	9 × 10 ⁻⁵
muscle cell development	1 × 10 ⁻⁴
multicellular organismal movement	2 × 10 ⁻⁴
musculoskeletal movement	2 × 10 ⁻⁴
myofibril assembly	2 × 10 ⁻⁴
striated muscle cell development	2 × 10 ⁻⁴
skeletal muscle organ development	2 × 10 ⁻⁴
sarcomere organization	3 × 10 ⁻⁴
skeletal muscle tissue development	3 × 10 ⁻⁴

Fallopian Tube	
FUNCTION	ADJ_P_VALUE
axoneme assembly	2 × 10 ⁻⁷
cilium movement	2 × 10 ⁻⁶
microtubule bundle formation	2 × 10 ⁻⁶
cilium assembly	2 × 10 ⁻⁵
cilium organization	2 × 10 ⁻⁵
cilium or flagellum-dependent cell motility	3 × 10 ⁻⁴
cilium-dependent cell motility	3 × 10 ⁻⁴
cilium movement involved in cell motility	3 × 10 ⁻⁴
axonemal dynein complex assembly	3 × 10 ⁻⁴
microtubule-based movement	5 × 10 ⁻⁴

Pituitary	
FUNCTION	ADJ_P_VALUE
microtubule-based movement	7 × 10 ⁻¹⁴
synaptic signaling	1 × 10 ⁻¹³
chemical synaptic transmission	2 × 10 ⁻¹³
anterograde trans-synaptic signaling	2 × 10 ⁻¹³
trans-synaptic signaling	3 × 10 ⁻¹³
cilium organization	2 × 10 ⁻¹¹
cilium assembly	3 × 10 ⁻¹¹
axoneme assembly	3 × 10 ⁻⁹
cilium movement	3 × 10 ⁻⁹
microtubule-based transport	4 × 10 ⁻⁹

Whole Blood	
FUNCTION	ADJ_P_VALUE
lymphocyte activation	2 × 10 ⁻⁵⁸
immune response-regulating signaling pathway	4 × 10 ⁻⁴⁹
adaptive immune response	8 × 10 ⁻⁴⁹
immune effector process	4 × 10 ⁻⁴⁷
innate immune response	1 × 10 ⁻⁴⁵
T cell activation	4 × 10 ⁻⁴⁵
leukocyte mediated immunity	1 × 10 ⁻⁴²
positive regulation of immune response	7 × 10 ⁻⁴²
regulation of cell activation	1 × 10 ⁻⁴¹
cytokine production	4 × 10 ⁻⁴⁰

Muscle - Skeletal	
FUNCTION	ADJ_P_VALUE
muscle structure development	7 × 10 ⁻²⁹
muscle system process	8 × 10 ⁻²⁷
muscle organ development	5 × 10 ⁻²⁵
muscle cell development	1 × 10 ⁻²¹
muscle contraction	1 × 10 ⁻²¹
muscle cell differentiation	4 × 10 ⁻²⁰
striated muscle cell differentiation	4 × 10 ⁻¹⁹
myofibril assembly	3 × 10 ⁻¹⁸
striated muscle cell development	3 × 10 ⁻¹⁸
striated muscle contraction	1 × 10 ⁻¹⁶

Pancreas	
FUNCTION	ADJ_P_VALUE
signal release	1 × 10 ⁻³
protein secretion	1 × 10 ⁻³
establishment of protein localization to extracellular region	1 × 10 ⁻³
protein localization to extracellular region	2 × 10 ⁻³
peptide secretion	2 × 10 ⁻³
digestion	2 × 10 ⁻³
hormone secretion	2 × 10 ⁻³
regulation of secretion	2 × 10 ⁻³
hormone transport	2 × 10 ⁻³
peptide hormone secretion	2 × 10 ⁻³

Ovary	
FUNCTION	ADJ_P_VALUE
genitalia development	3 × 10 ⁻²
extracellular structure organization	4 × 10 ⁻²
male sex differentiation	4 × 10 ⁻²
collagen fibril organization	4 × 10 ⁻²
male genitalia development	4 × 10 ⁻²
extracellular matrix organization	4 × 10 ⁻²
regulation of smoothened signaling pathway	4 × 10 ⁻²
external encapsulating structure organization	4 × 10 ⁻²

Thyroid	
FUNCTION	ADJ_P_VALUE
thyroid hormone generation	1 × 10 ⁻⁴
plasma membrane bounded cell projection assembly	2 × 10 ⁻⁴
cell projection assembly	2 × 10 ⁻⁴
thyroid hormone metabolic process	2 × 10 ⁻⁴
cilium assembly	5 × 10 ⁻⁴
cilium organization	3 × 10 ⁻³
positive regulation of cell-substrate adhesion	3 × 10 ⁻²
cilium movement	3 × 10 ⁻²
regulation of cell-substrate adhesion	4 × 10 ⁻²

Brain	
FUNCTION	ADJ_P_VALUE
synaptic signaling	9 × 10 ⁻⁴³
trans-synaptic signaling	9 × 10 ⁻⁴³
chemical synaptic transmission	9 × 10 ⁻⁴³
anterograde trans-synaptic signaling	9 × 10 ⁻⁴³
modulation of chemical synaptic transmission	9 × 10 ⁻²⁵
regulation of trans-synaptic signaling	9 × 10 ⁻²⁵
neuron projection morphogenesis	2 × 10 ⁻¹⁸
cell projection morphogenesis	8 × 10 ⁻¹⁸
plasma membrane bounded cell projection morphogenesis	2 × 10 ⁻¹⁷
cell part morphogenesis	2 × 10 ⁻¹⁷

Bladder	
FUNCTION	ADJ_P_VALUE
tissue morphogenesis	4 × 10 ⁻⁵
muscle tissue development	5 × 10 ⁻⁵
cardiac muscle tissue development	1 × 10 ⁻⁴
morphogenesis of an epithelium	1 × 10 ⁻⁴
striated muscle tissue development	1 × 10 ⁻⁴
mesenchyme development	1 × 10 ⁻⁴
epithelial to mesenchymal transition	2 × 10 ⁻⁴
muscle structure development	3 × 10 ⁻⁴
mesenchymal cell differentiation	6 × 10 ⁻⁴
urogenital system development	9 × 10 ⁻⁴

Spleen	
FUNCTION	ADJ_P_VALUE
lymphocyte activation	1 × 10 ⁻⁶⁵
T cell activation	3 × 10 ⁻⁵⁶
adaptive immune response	4 × 10 ⁻⁵³
immune effector process	5 × 10 ⁻⁵⁰
positive regulation of immune response	8 × 10 ⁻⁵⁰
regulation of cell activation	3 × 10 ⁻⁴⁹
regulation of leukocyte activation	4 × 10 ⁻⁴⁹
regulation of lymphocyte activation	8 × 10 ⁻⁴⁸
leukocyte cell-cell adhesion	2 × 10 ⁻⁴²
immune response-regulating signaling pathway	1 × 10 ⁻⁴¹

Prostate	
FUNCTION	ADJ_P_VALUE
tissue morphogenesis	4 × 10 ⁻⁴
morphogenesis of a branching structure	5 × 10 ⁻⁴
morphogenesis of an epithelium	7 × 10 ⁻⁴
morphogenesis of a branching epithelium	1 × 10 ⁻³
branching morphogenesis of an epithelial tube	2 × 10 ⁻³
regulation of morphogenesis of a branching structure	3 × 10 ⁻²
muscle structure development	3 × 10 ⁻²
regulation of morphogenesis of an epithelium	3 × 10 ⁻²
striated muscle tissue development	3 × 10 ⁻²
steroid hormone mediated signaling pathway	3 × 10 ⁻²

Artery	
FUNCTION	ADJ_P_VALUE
muscle structure development	5 × 10 ⁻¹³
muscle system process	3 × 10 ⁻¹¹
muscle cell development	4 × 10 ⁻¹⁰
extracellular matrix organization	1 × 10 ⁻⁹
muscle cell differentiation	1 × 10 ⁻⁹
extracellular structure organization	1 × 10 ⁻⁹
external encapsulating structure organization	1 × 10 ⁻⁹
actin cytoskeleton organization	3 × 10 ⁻⁹
muscle contraction	8 × 10 ⁻⁹
muscle tissue development	3 × 10 ⁻⁸

Nerve - Tibial	
FUNCTION	ADJ_P_VALUE
cell morphogenesis involved in differentiation	1 × 10 ⁻¹²
ensheathment of neurons	1 × 10 ⁻¹²
axon ensheathment	1 × 10 ⁻¹²
cell part morphogenesis	3 × 10 ⁻¹²
myelination	3 × 10 ⁻¹²
cell morphogenesis involved in neuron differentiation	3 × 10 ⁻¹²
cell projection morphogenesis	3 × 10 ⁻¹²
axonogenesis	4 × 10 ⁻¹²
neuron projection morphogenesis	4 × 10 ⁻¹²
plasma membrane bounded cell projection morphogenesis	7 × 10 ⁻¹²

Esophagus	
FUNCTION	ADJ_P_VALUE
keratinization	3 × 10 ⁻⁶
epidermis development	3 × 10 ⁻⁶
keratinocyte differentiation	4 × 10 ⁻⁶
epithelial cell differentiation	2 × 10 ⁻⁵
mitotic cell cycle process	2 × 10 ⁻⁵
epidermal cell differentiation	2 × 10 ⁻⁵
regulation of cell cycle process	5 × 10 ⁻⁵
cell division	6 × 10 ⁻⁵
intermediate filament-based process	6 × 10 ⁻⁵
sister chromatid segregation	1 × 10 ⁻⁴

Stomach	
FUNCTION	ADJ_P_VALUE
digestion	1 × 10 ⁻⁴
regulation of hormone levels	6 × 10 ⁻⁴
gastric acid secretion	2 × 10 ⁻³
peptide hormone secretion	2 × 10 ⁻³
peptide transport	2 × 10 ⁻³
peptide secretion	3 × 10 ⁻³
digestive system process	6 × 10 ⁻³
amide transport	6 × 10 ⁻³
hormone transport	6 × 10 ⁻³
hormone secretion	6 × 10 ⁻³

Testis	
FUNCTION	ADJ_P_VALUE
male gamete generation	1 × 10 ⁻³⁵
spermatogenesis	3 × 10 ⁻³⁴
microtubule-based movement	2 × 10 ⁻²⁶
cilium organization	2 × 10 ⁻²⁶
cilium assembly	2 × 10 ⁻²³
microtubule cytoskeleton organization	2 × 10 ⁻²³
meiotic cell cycle	2 × 10 ⁻²³
cilium movement	3 × 10 ⁻²⁰
nuclear division	1 × 10 ⁻¹⁸
meiotic cell cycle process	2 × 10 ⁻¹⁸

Heart	
FUNCTION	ADJ_P_VALUE
muscle cell development	3 × 10 ⁻²⁷
muscle structure development	1 × 10 ⁻²⁶
myofibril assembly	2 × 10 ⁻²⁴
striated muscle cell development	2 × 10 ⁻²⁴
muscle tissue development	3 × 10 ⁻²⁴
cardiac muscle tissue development	3 × 10 ⁻²⁴
muscle system process	3 × 10 ⁻²⁴
striated muscle tissue development	2 × 10 ⁻²³
muscle cell differentiation	5 × 10 ⁻²³
heart contraction	1 × 10 ⁻²²