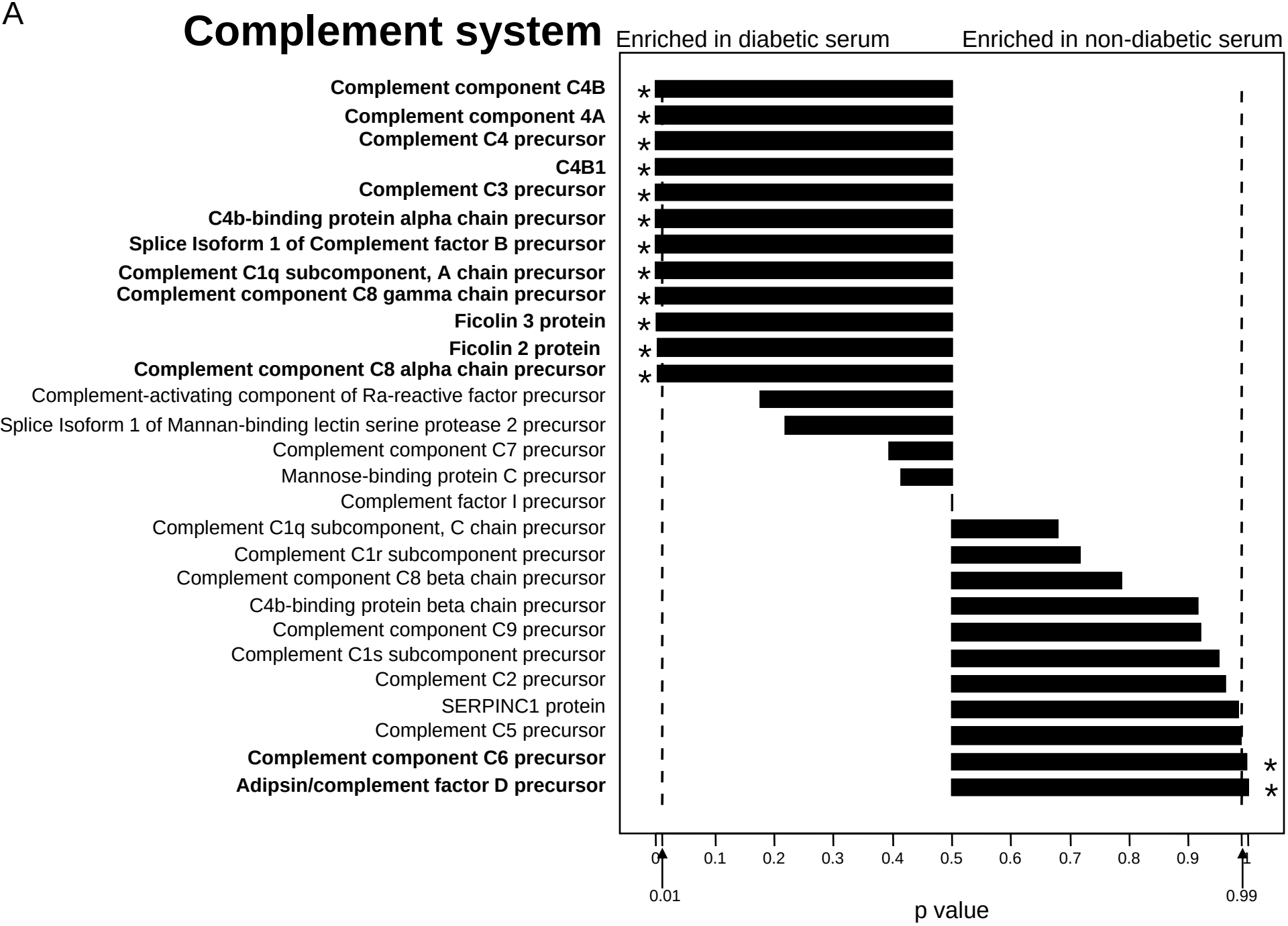
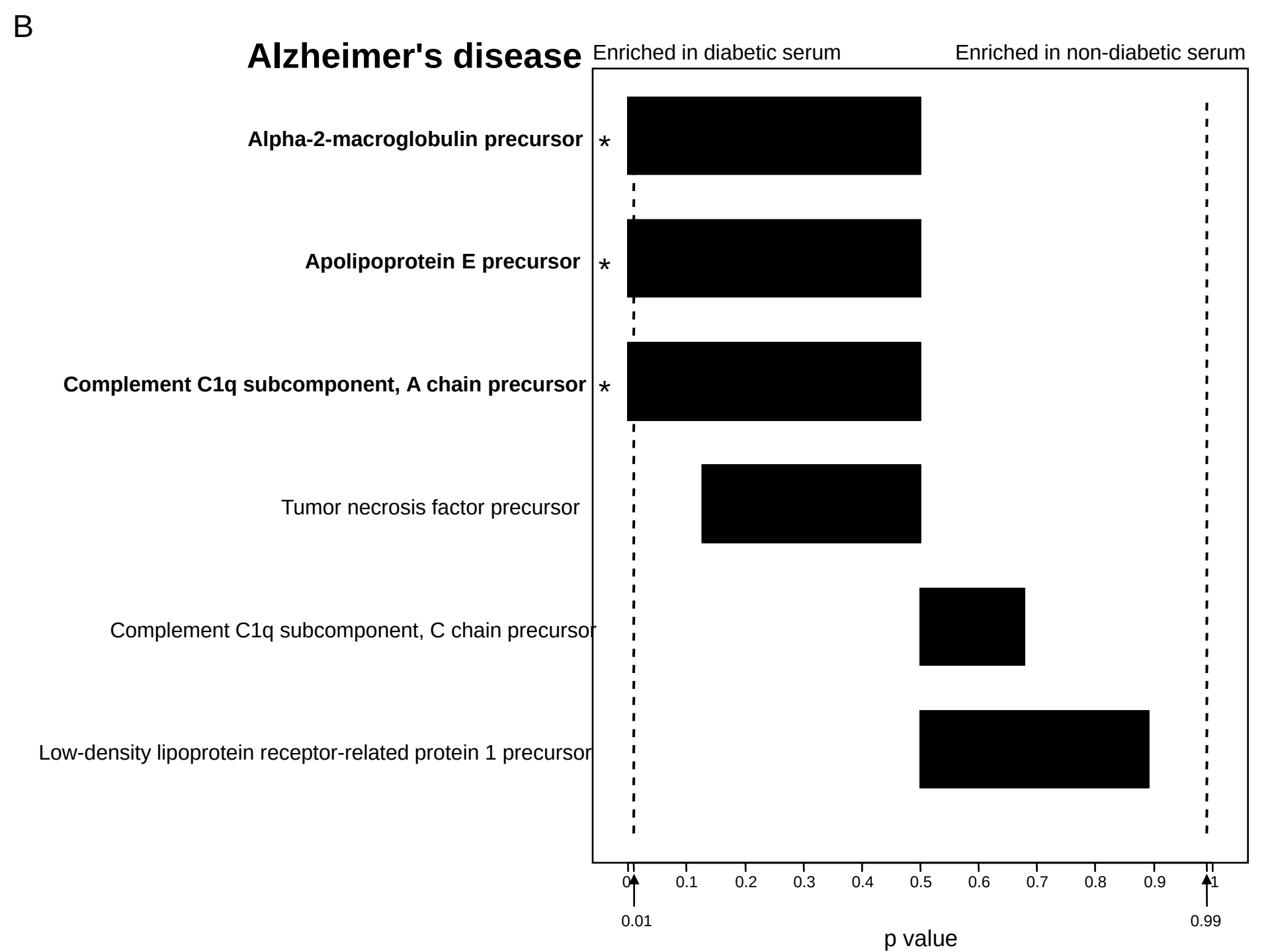
Supplementary Figure S4. The identified proteins and abundance biases in 18 pathways. These pathway included Complement system (A), Alzheimer's disease (B), PPAR signaling pathway (C), Cell communication (D), Hematopoietic cell lineage (E), Folate biosynthesis (F), Adipocytokine signaling pathway (G), Inositol phosphate metabolism (H), Type II diabetes mellitus (I), Fatty acid metabolism (J), Arginine and praline metabolism (K), ECM-receptor interaction (L), TGF-beta signaling pathway (M), Coagulation cascade (N), Small cell lung cancer (O), Insulin signaling pathway (P), Focal adhesion (Q), Long-term depression (R). The p value of identified protein was digitized to the length of the bar in each pathway.

Supplementary Figure S4

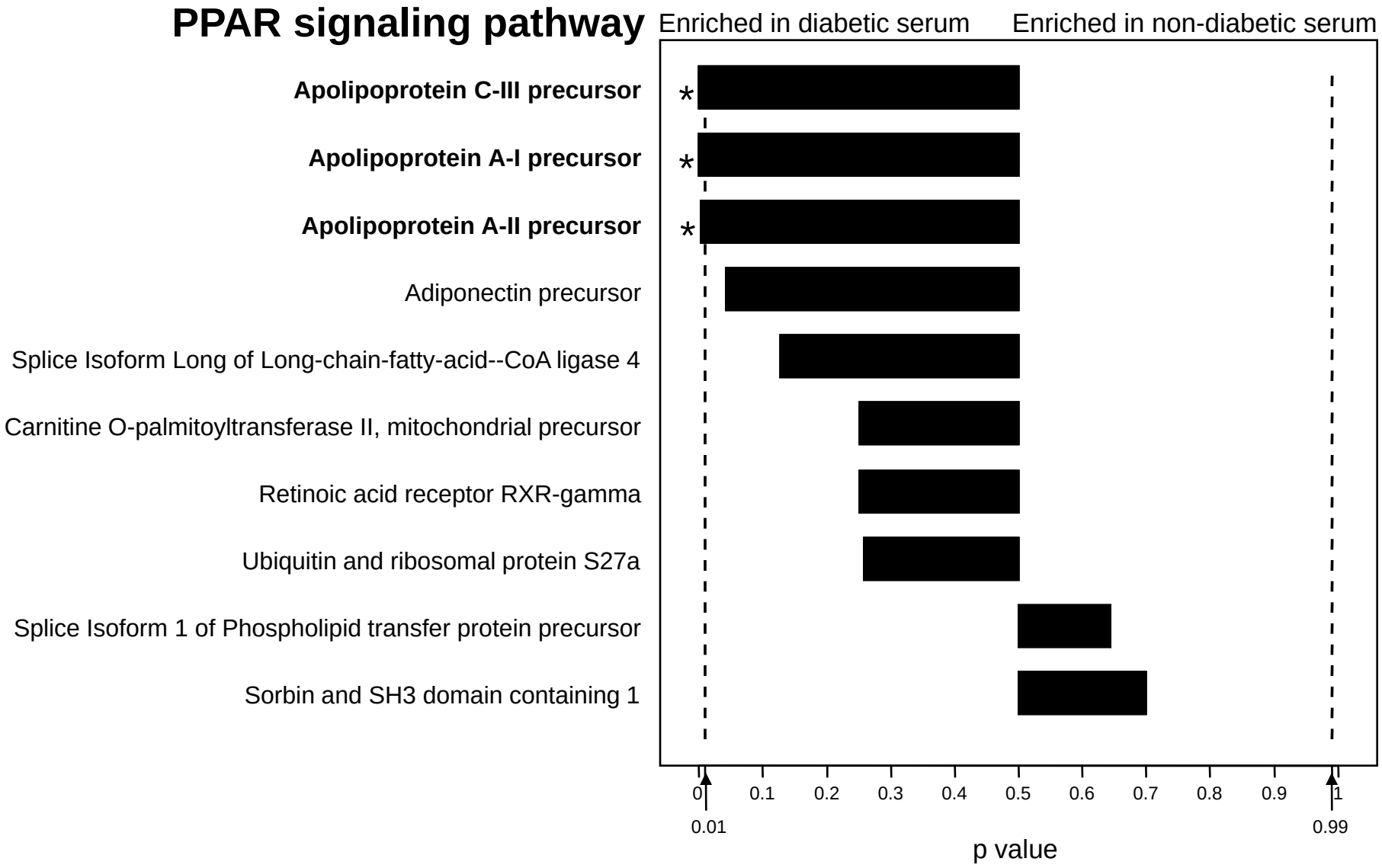
A



B

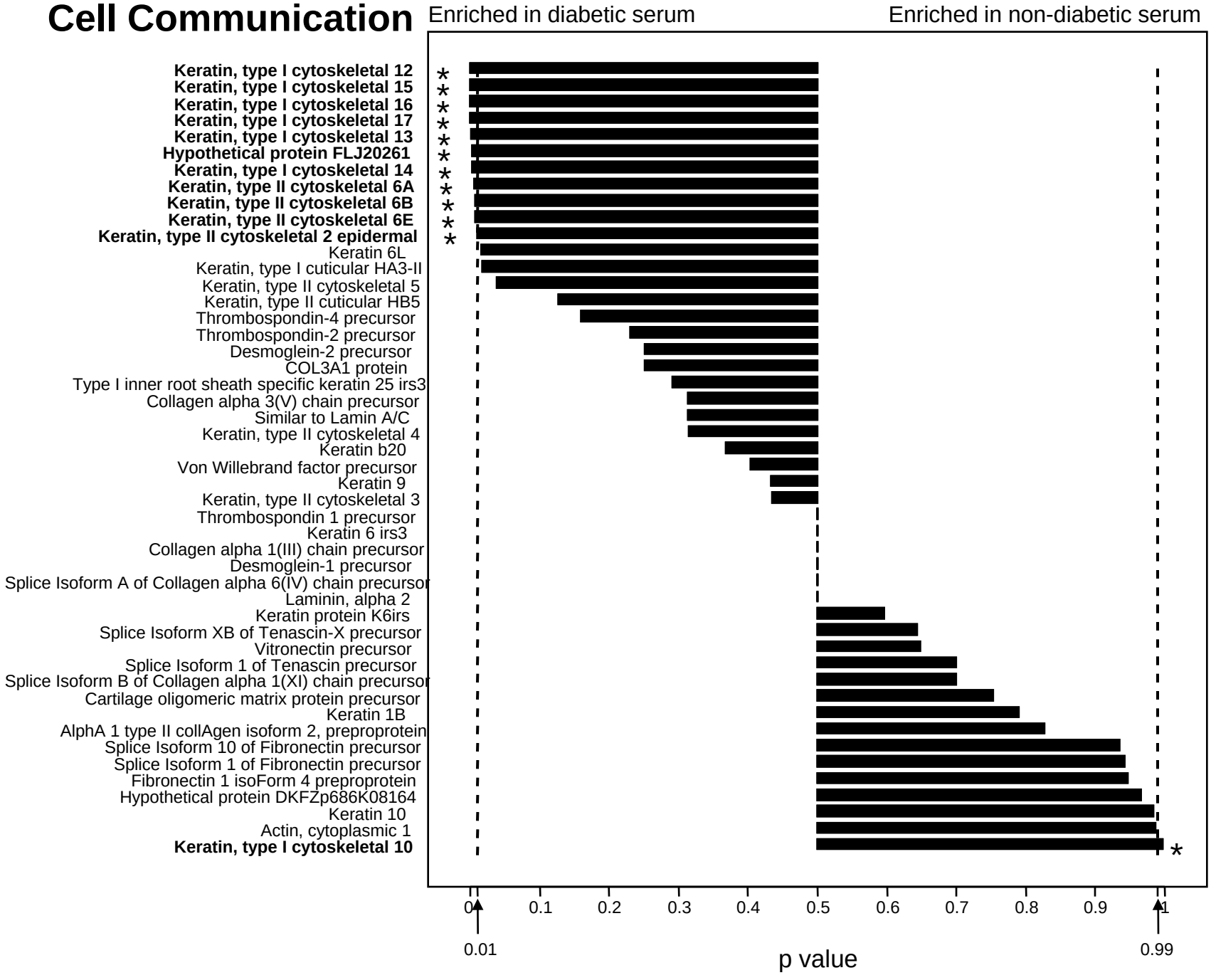

Alzheimer's disease
Enriched in diabetic serum
Enriched in non-diabetic serum
Alpha-2-macroglobulin precursor
*
Apolipoprotein E precursor
*
Complement C1q subcomponent, A chain precursor
*
Tumor necrosis factor precursor
Complement C1q subcomponent, C chain precursor
Low-density lipoprotein receptor-related protein 1 precursor
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0.01
0.99
p value

C


PPAR signaling pathway
Enriched in diabetic serum
Enriched in non-diabetic serum
Apolipoprotein C-III precursor
Apolipoprotein A-I precursor
Apolipoprotein A-II precursor
Adiponectin precursor
Splice Isoform Long of Long-chain-fatty-acid--CoA ligase 4
Carnitine O-palmitoyltransferase II, mitochondrial precursor
Retinoic acid receptor RXR-gamma
Ubiquitin and ribosomal protein S27a
Splice Isoform 1 of Phospholipid transfer protein precursor
Sorbin and SH3 domain containing 1
*
*
*
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0.01
0.99
p value

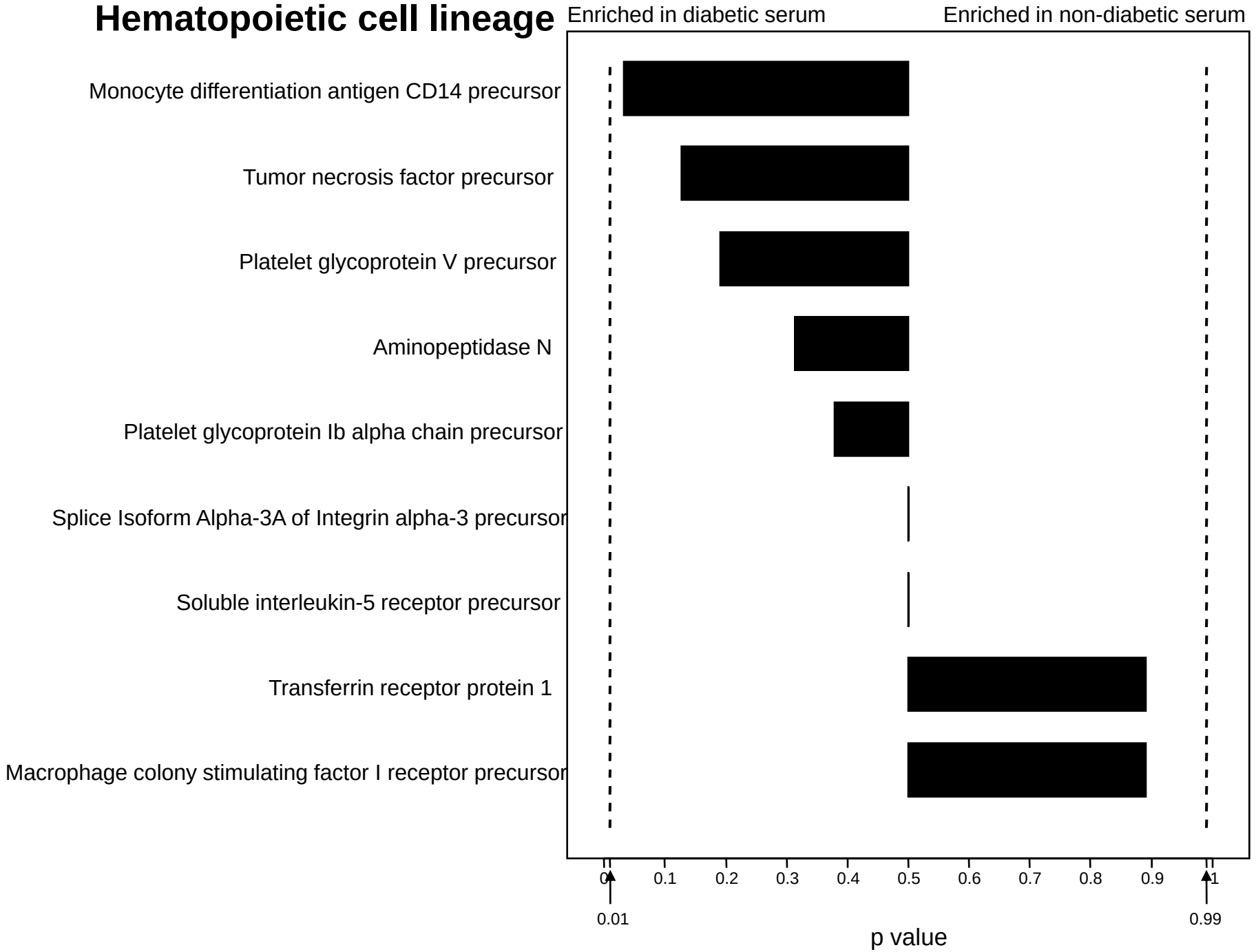
D

Cell Communication

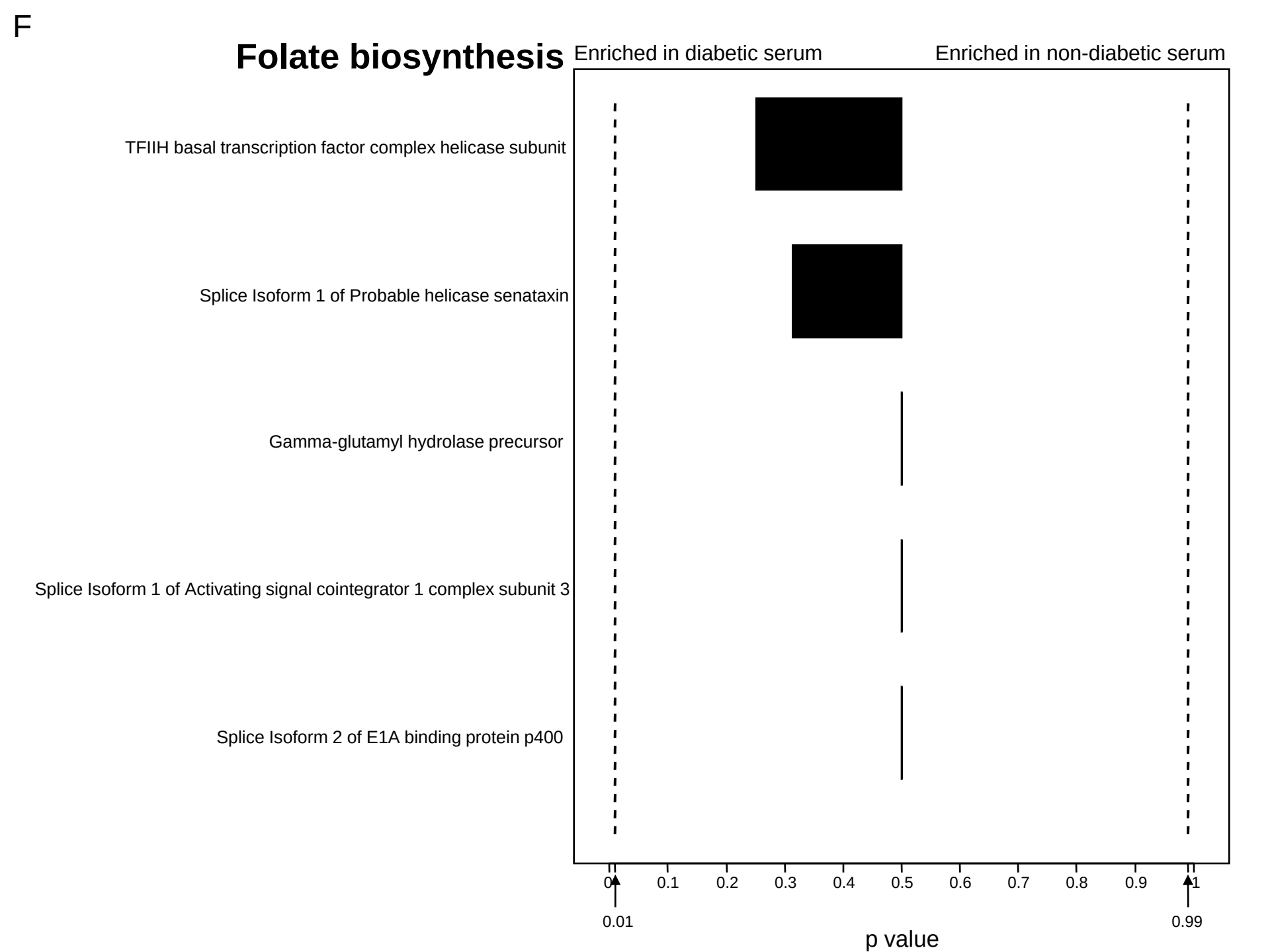


E

Hematopoietic cell lineage

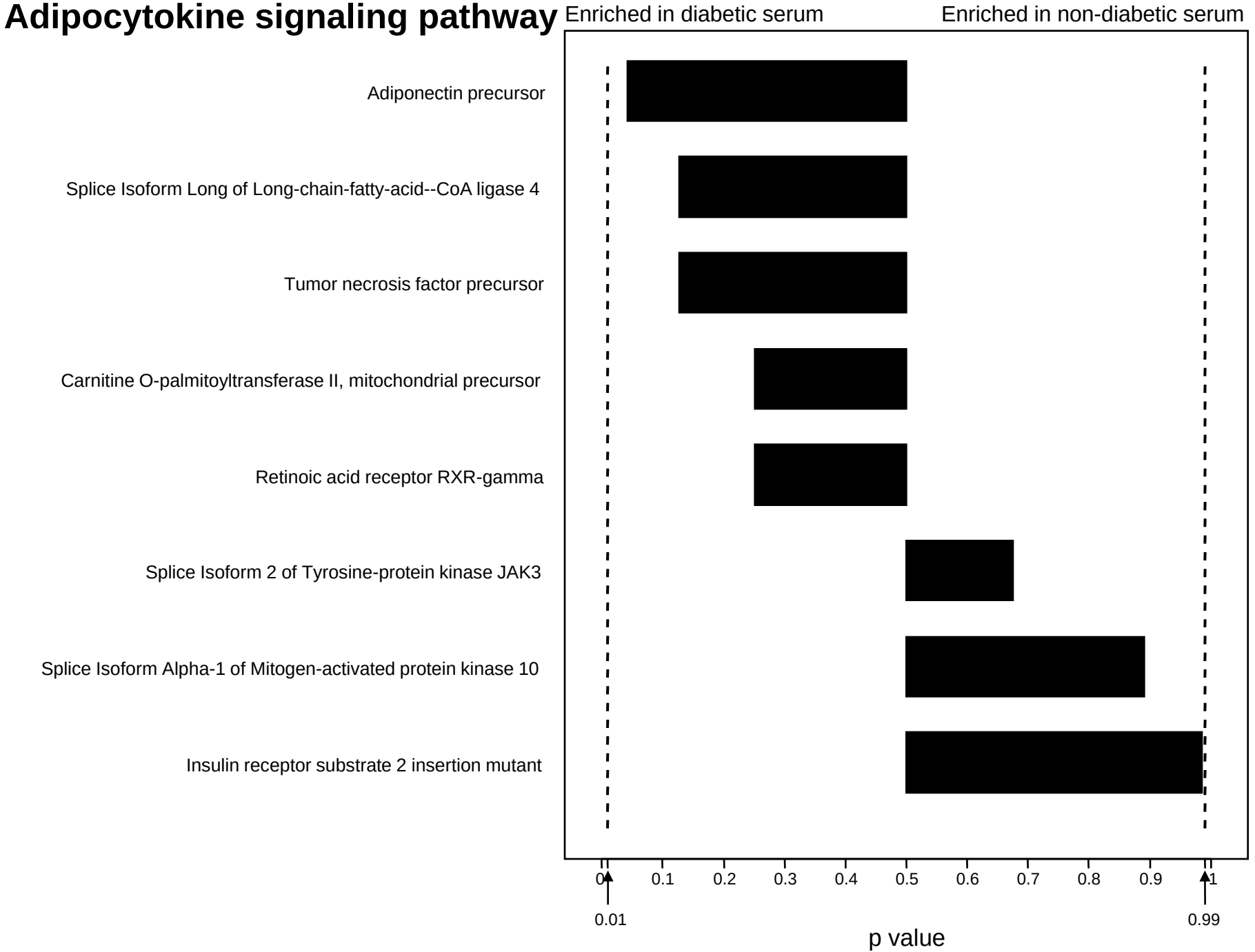


F


Folate biosynthesis
Enriched in diabetic serum
Enriched in non-diabetic serum
TFIIH basal transcription factor complex helicase subunit
Splice Isoform 1 of Probable helicase senataxin
Gamma-glutamyl hydrolase precursor
Splice Isoform 1 of Activating signal cointegrator 1 complex subunit 3
Splice Isoform 2 of E1A binding protein p400
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0.01
0.99
p value

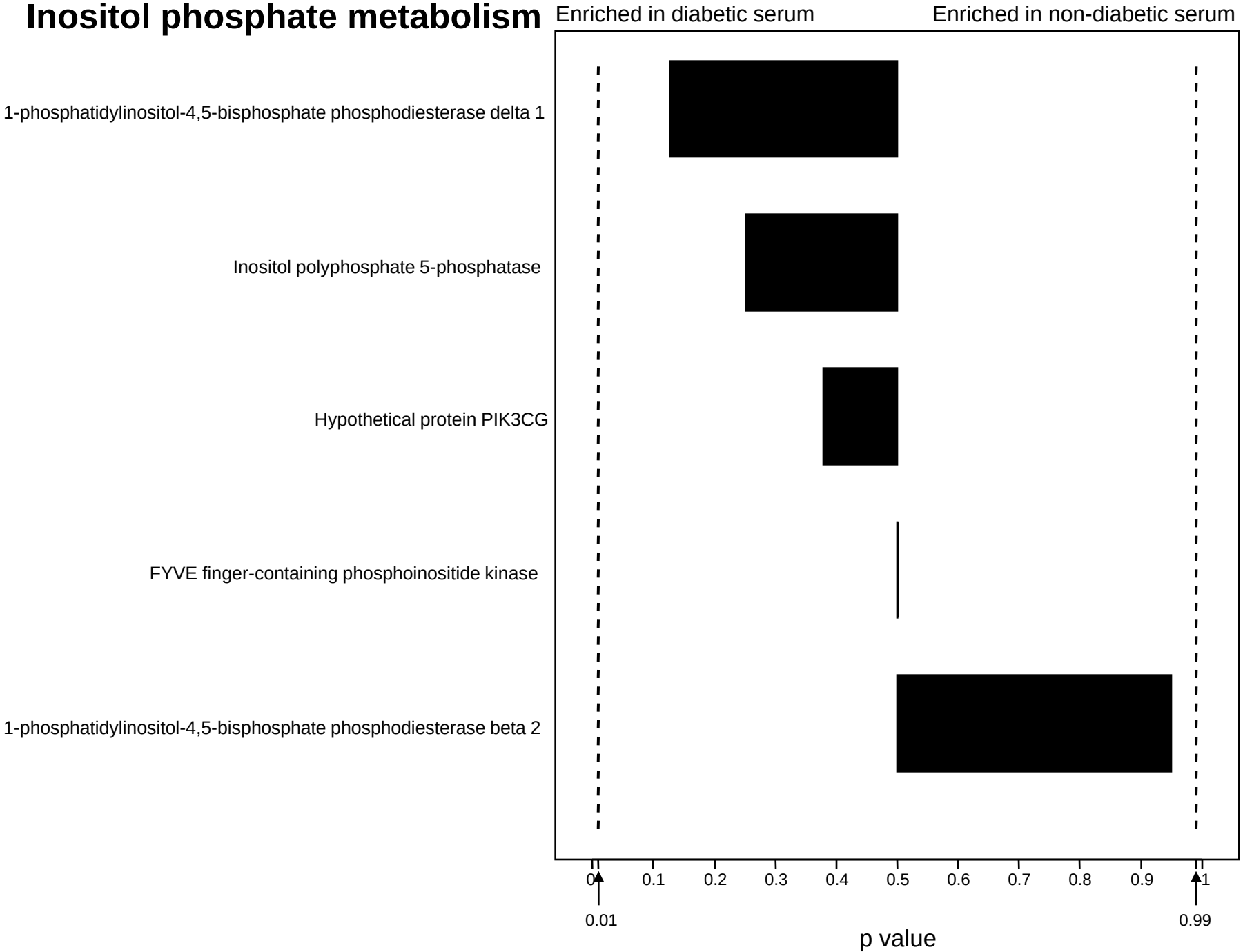
G

Adipocytokine signaling pathway



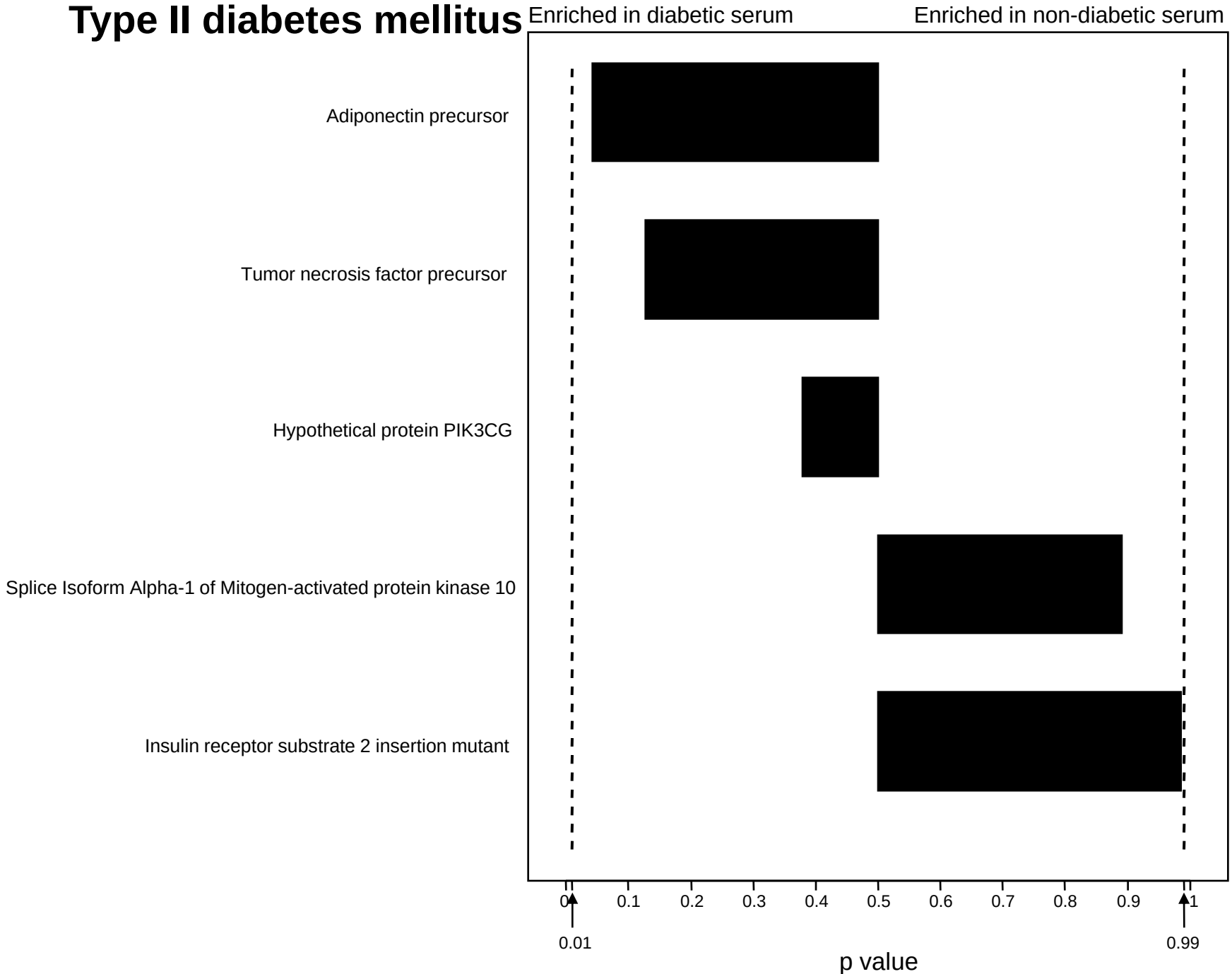
H

Inositol phosphate metabolism



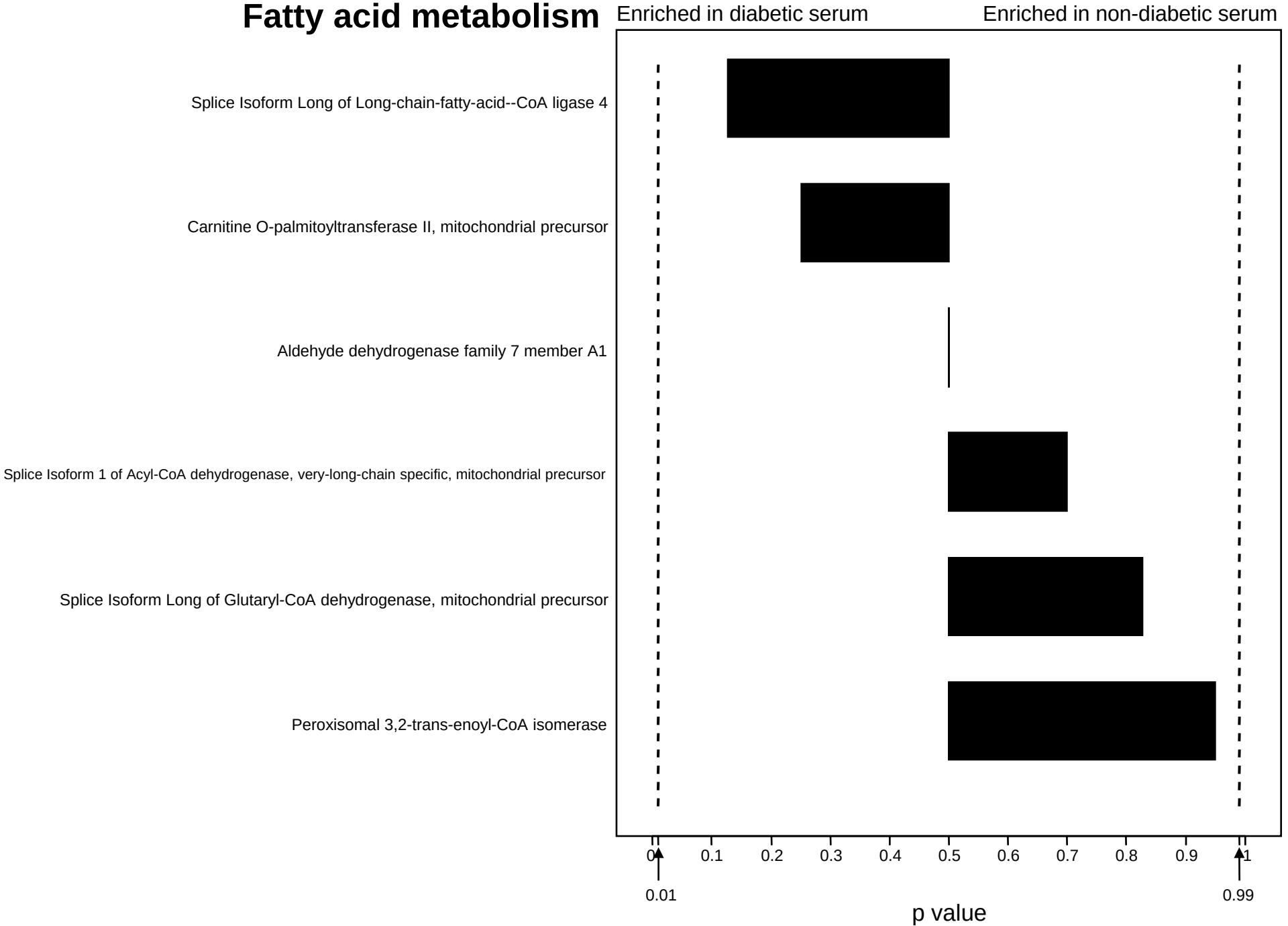
I

Type II diabetes mellitus



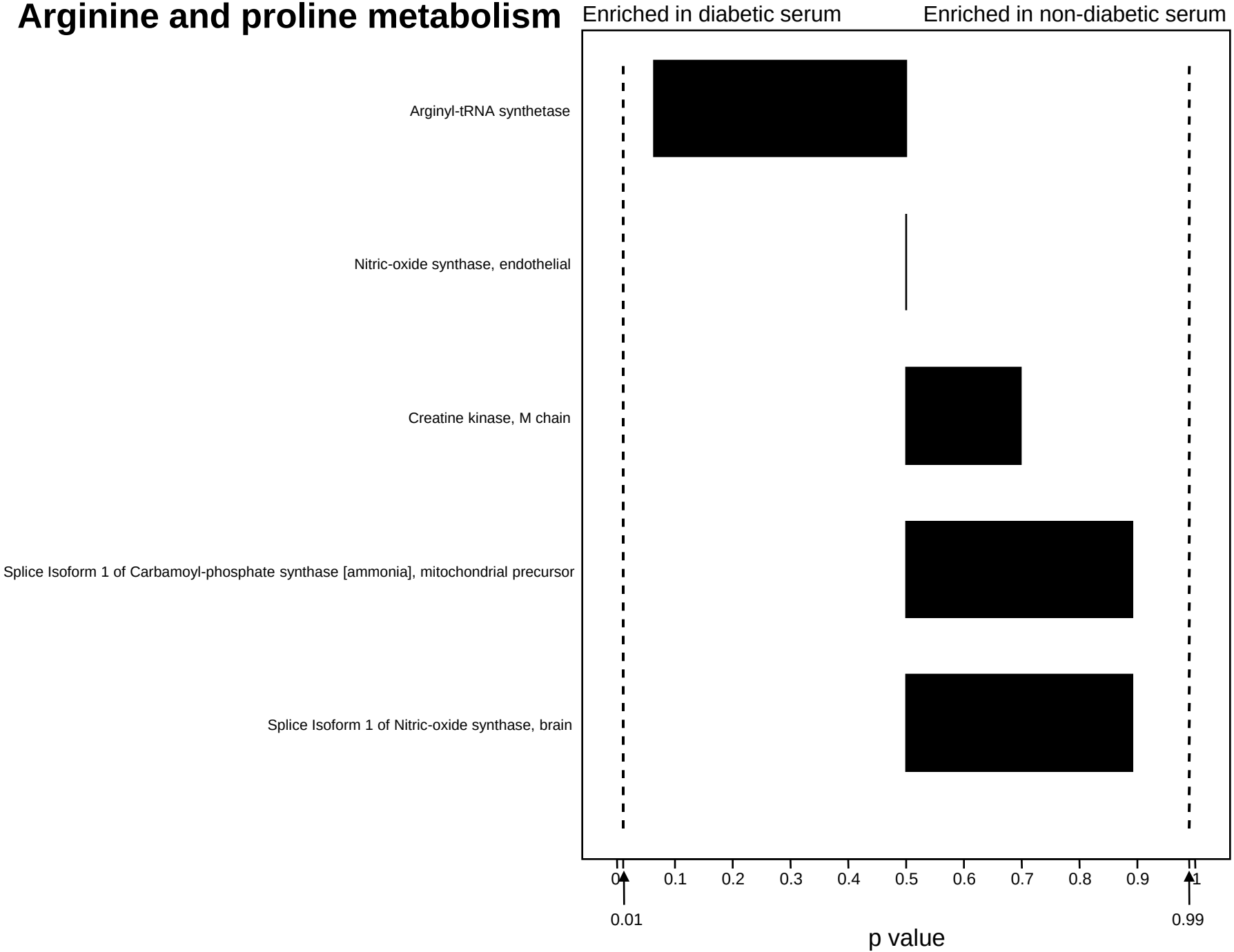
J

Fatty acid metabolism



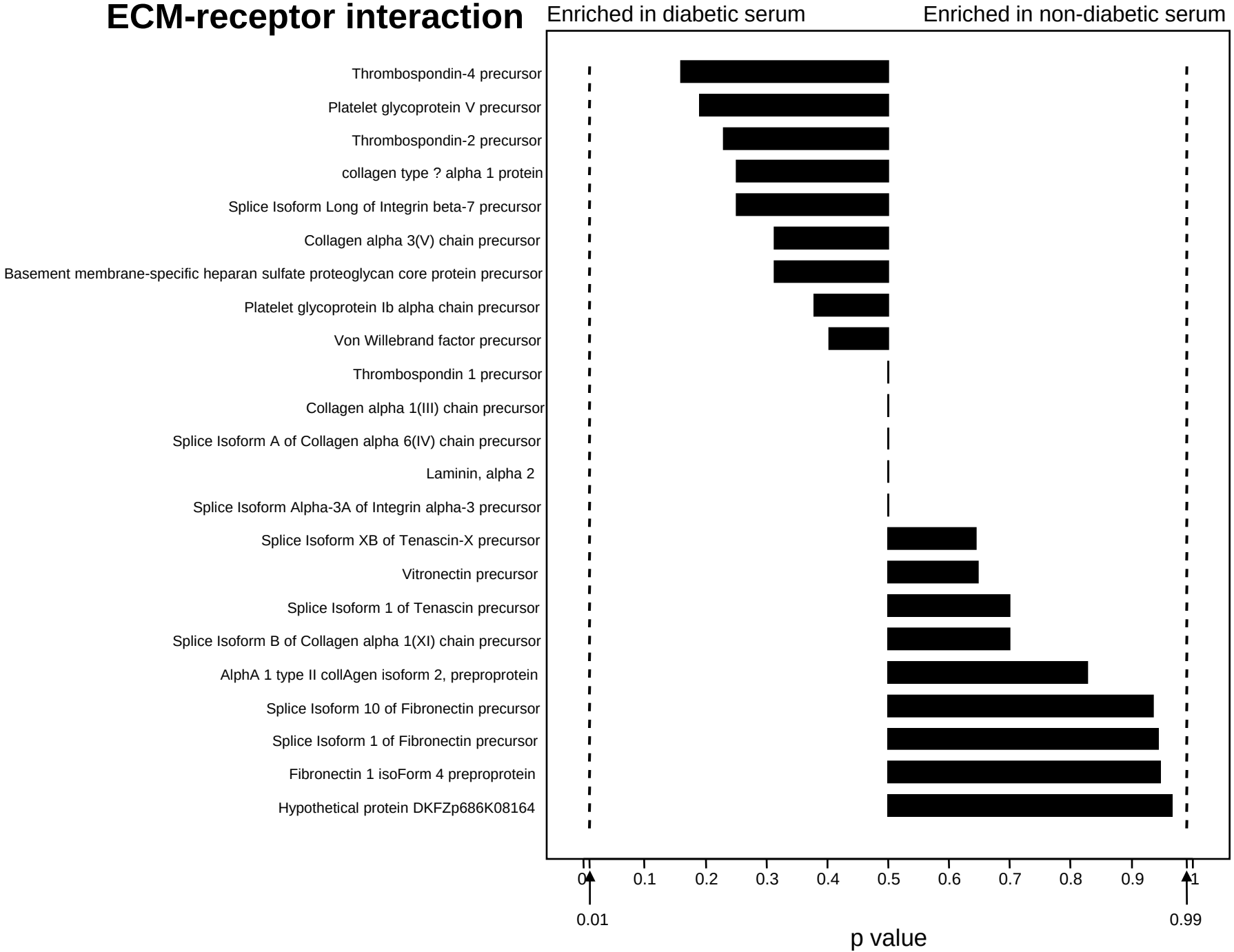
K

Arginine and proline metabolism



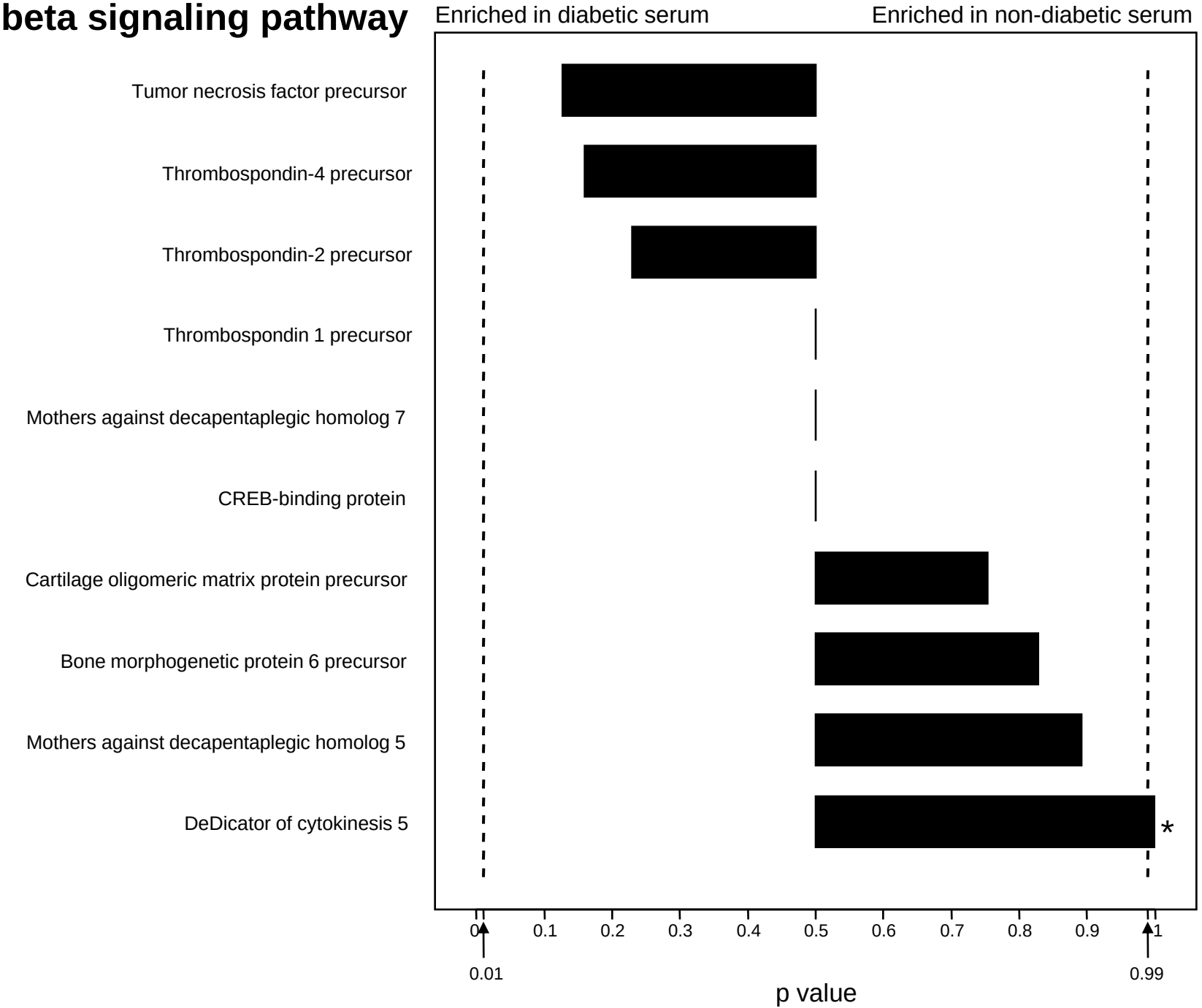
L

ECM-receptor interaction



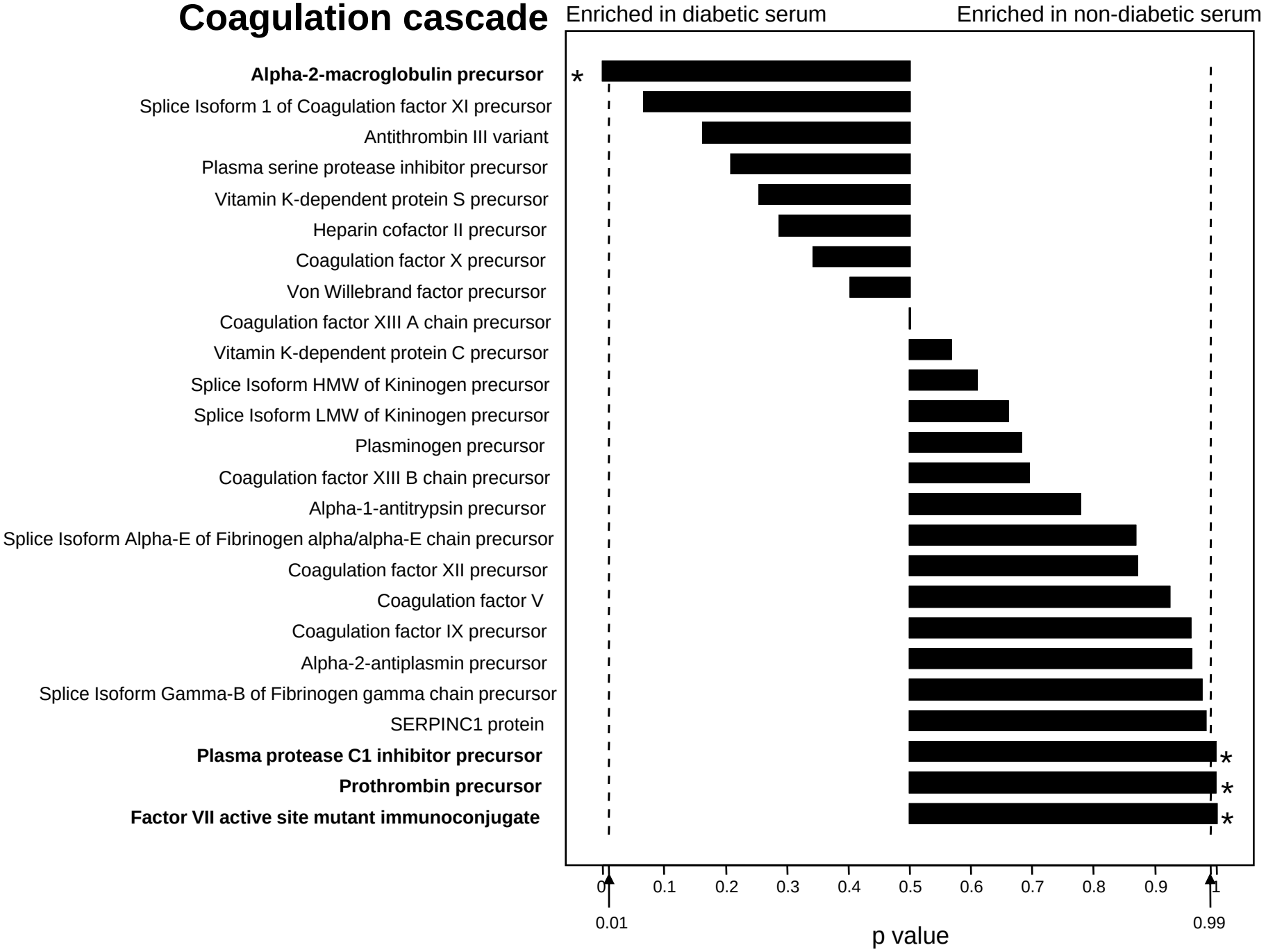
M

TGF-beta signaling pathway



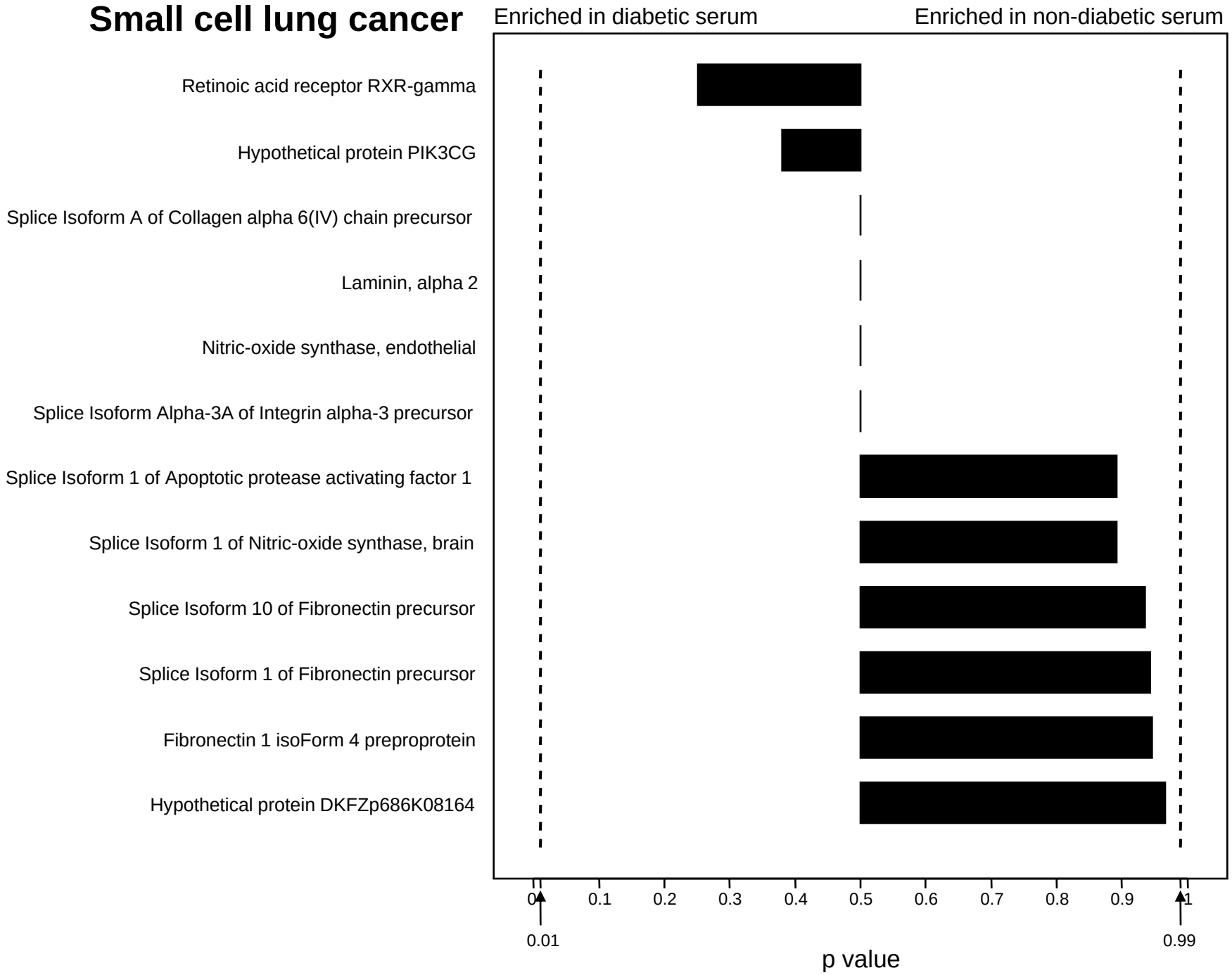
N

Coagulation cascade



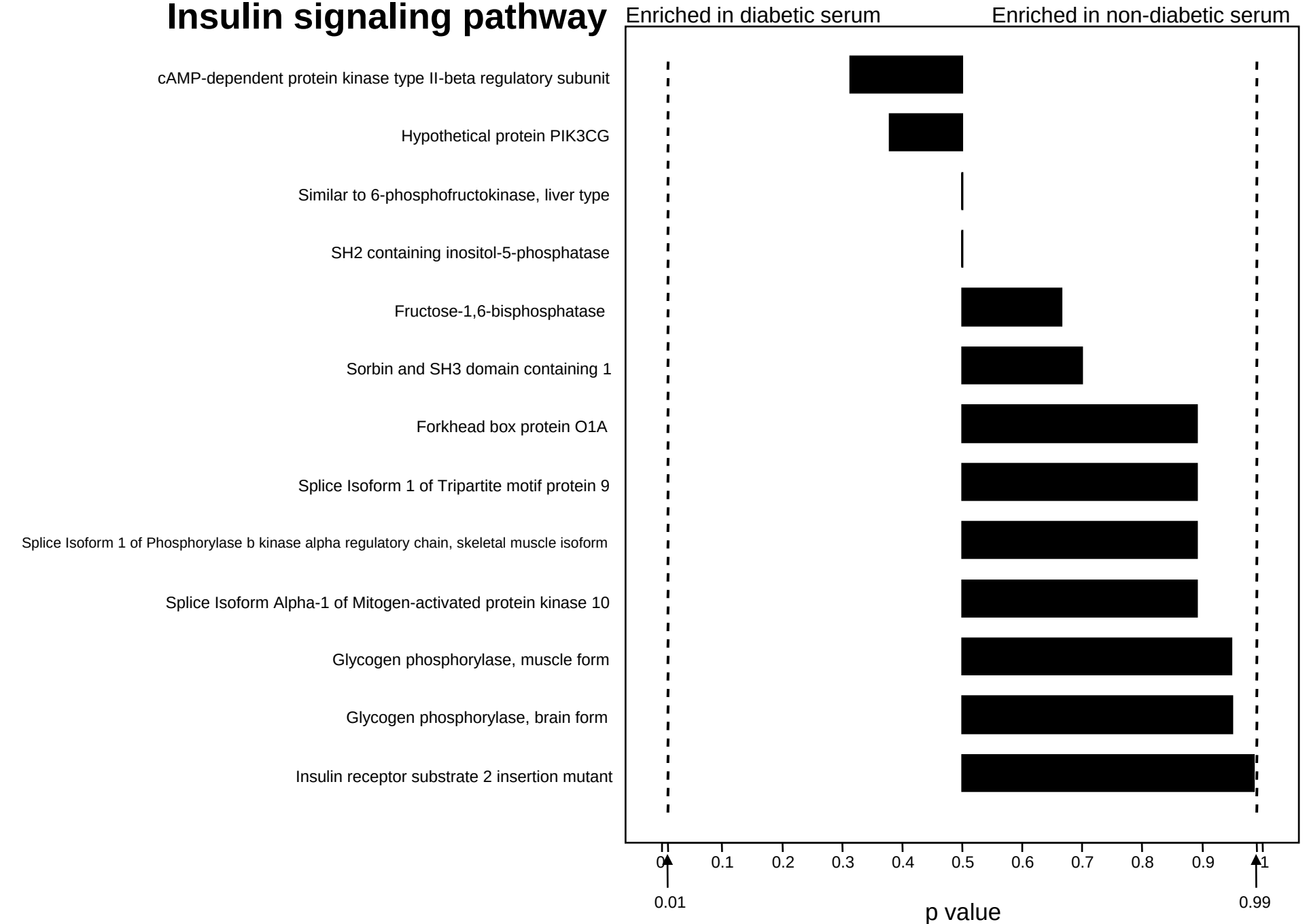
O

Small cell lung cancer



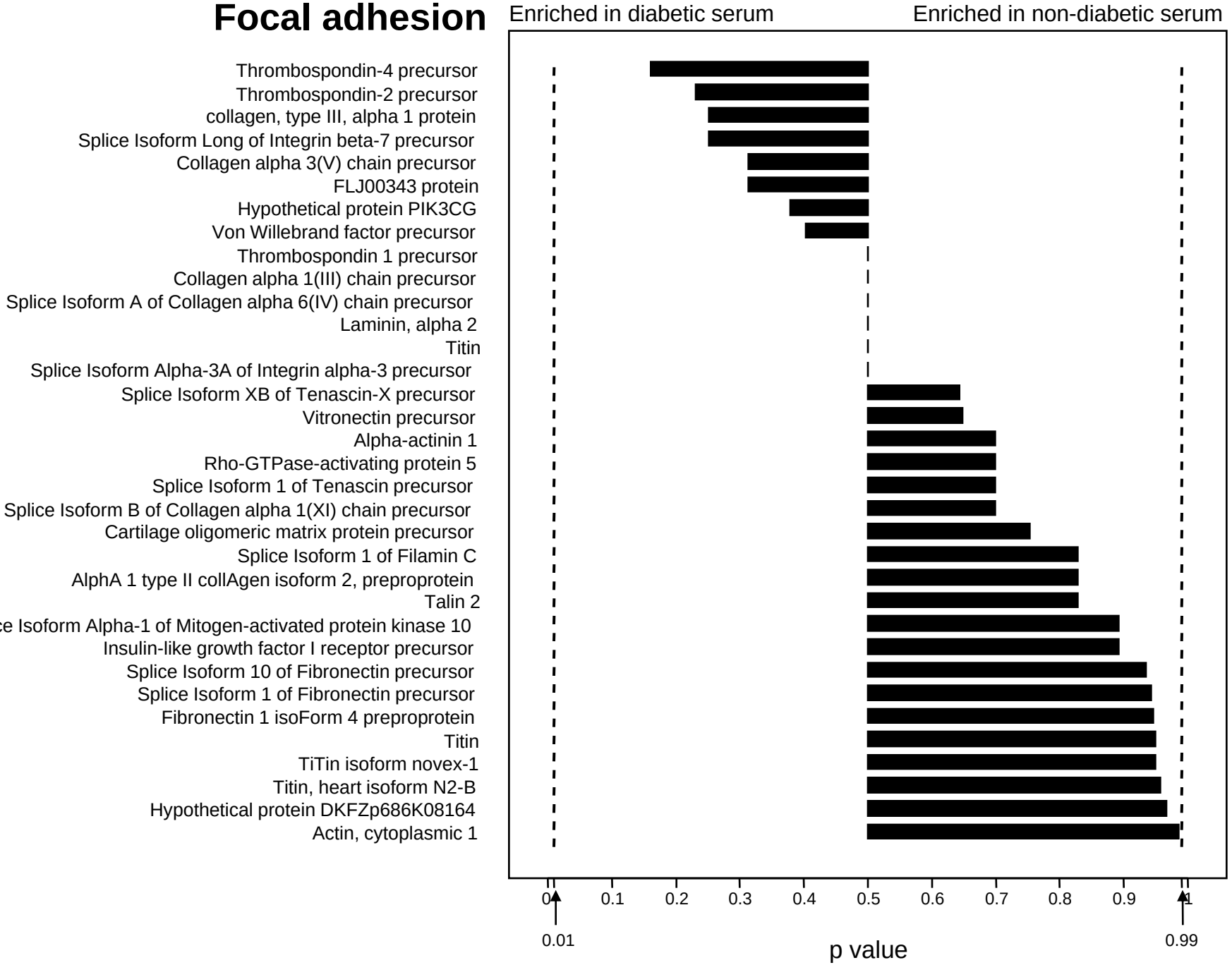
P

Insulin signaling pathway



Q

Focal adhesion



R

Long term depression