

Appendix B

details for the most significantly altered
proteins among study groups and general
description of newborns upon delivery

PERINATAL CHANGES IN PLASMA OF TYPE 2 DIABETES MELLITUS
PREGNANCIES WHO DELIVERED NEWBORNS WITH CARDIOMYOPATHY,
DEPRESSION OF THE CENTRAL NERVOUS SYSTEM, OR HEPATOMEGALY

Newborns. Reports upon delivery

Patient ID	Diabetic fetopathy	Macrosomia	Perinatal injury of the central nervous system	Diabetic cardiomyopathy	Hepatomegaly	Morphofunctional immaturity	Aprar-1 score	Apgar-5 score	Hypoglycemia	Increased echogenicity (CNS)	Respiratory distress syndrome of the newborn	Hyperbilirubinemia	Suppression of reflexes (sucking reflex)	Vascular plexus cyst
N001	CNSD	1	0	1	0	0	8	9	0	1	0	0	0	0
N002	CNSD	1	1	0	0	1	8	8	1	1	0	0	1	0
N003	CNSD	1	1	0	0	0	7	8	1	0	1	1	1	0
N004	CNSD	0	0	0	0	1	8	8	1	1	0	1	1	0
N005	CNSD	0	1	0	0	1	8	8	1	1	0	0	1	0
N006	CNSD	1	0	0	0	1	8	9	1	1	0	1	1	0
N007	CNSD	1	1	0	0	1	6	7	1	1	1	1	1	0
N008	CNSD	0	0	0	0	1	8	9	1	0	0	0	0	0
N009	CNSD	0	1	0	0	1	8	9	1	0	1	0	1	0
N010	CNSD	0	0	0	0	0	8	9	0	0	0	0	0	0
N011	CNSD	0	1	0	0	0	8	9	1	0	0	0	0	0
N012	CNSD	1	0	0	0	0	8	9	0	1	0	1	0	0
N013	CNSD	0	1	0	0	1	7	8	1	1	1	1	1	0
N014	CNSD	0	0	0; atrial septal defect	0	0	9	10	0	0	0	0	0	0
N015	CNSD	0	0	0; atrial septal defect	0	0	9	9	0	0	0	0	0	0
N016	CNSD	0	0	0; atrial septal defect	0	0	8	9	0	1	0	0	0	0
N017	CNSD	0	0	0	0	1	8	9	0	1	0	0	0	0
N018	CNSD	0	0	0	0	1	9	9	1	0	0	0	1	0
N019	CNSD	0; Fetal growth restriction 1	0	0	0	1	8	9	0	1	0	0	0	0
N020	CNSD	0	0	0	0	1	8	9	0	1	0	0	0	0
N021	CNSD	0; Fetal growth	0	0	0	1	8	9	0	1	0	0	1	1
N022	CNSD	1	0	0	0	1	9	9	0	1	0	0	0	1
N023	CNSD	0	0	0	0	1	8	9	0	1	0	1	0	0
N024	CNSD	0	0	0	0	1	8	9	0	0	0	0	0	0
N025	CNSD	0	0	0	0	1	9	9	1	0	0	0	0	0
N026	CNSD	0; Fetal growth	0	0	0	1	9	9	0	0	0	0	0	0
N027	CNSD	0	0	0	0	1	8	9	0	0	0	0	0	0
N028	CNSD	1	0	0	0	1	9	10	0	0	0	0	0	0
N029	CNSD	0	0	0	0	1	9	10	1	1	0	0	0	1
N030	CNSD	0	0	0; atrial septal defect	0	1	8	9	0	0	0	0	0	0
N031	CNSD	0	1	0	0	0	7	9	1	0	0	0	1	0
N032	CNSD	0	1	0	0	0	8	9	0	0	0	1	0	1
N033	CNSD	0	1	0	0	0 ?	?	?	0	1	0	0	1	1
N034	CNSD	0	1	0	0	1	9	9	1	0	0	0	0	0
C015	CRDM	0	0	Unknown	1	0	8	9	1	1	0	0	0	0
C016	CRDM	0	1	Unknown	2	2	8	8	1	0	0	1	1	0
C017	CRDM	0	0	1; ventricular septal defect	1	0	9	10	0	1	0	0	0	0
C018	CRDM	1	0	1; ventricular septal defect	1	0	9	9	1	0	0	0	0	0
C019	CRDM	1	0	1; ventricular septal defect	1	0	8	9	1	0	0	0	0	0
C020	CRDM	1	1	1; ventricular septal defect	0	1	7	8	1	0	1	0	1	1
C021	CRDM	0	0	1; atrial septal defect	0	1	8	9	0	0	0	0	1	0
C022	CRDM	1	1	1; atrial septal defect	1	1	7	8	1	1	1	1	1	0
C023	CRDM	0	0	0; dextrocardia	0	1	8	9	0	1	0	0	1	0
C024	CRDM	1	1	0; atrial septal defect	1	1	9	9	0	0	0	0	1	0
C025	CRDM	1	1	0; atrial septal defect	0	1	8	9	0	0	0	0	0	1
C026	CRDM	0	1	0; atrial septal defect	1	0	9	9	0	1	0	0	1	0
C027	CRDM	0	1	0; atrial septal defect	0	1	8	8	1	0	0	0	1	1
C028	CRDM	0	0	cardiomegaly	1	0	8	9	0	1	0	0	0	0
C029	CRDM	1	1	cardiomegaly	1	1	8	10	1	1	0	0	1	0

C030	CRDM	0	0	cardiomegaly	0	0	8	8	0	1	0	0	1	0
C031	CRDM	1	0	cardiomegaly	0	0	9	9	0	0	0	0	0	0
C001	CRDM	1	0	1; ventricular septal defect	0	0	7	9	1	0	0	0	0	0
C002	CRDM	1	0	1; ventricular septal defect	1	1	8	9	1	1	0	0	1	0
C003	CRDM	1	0	1; ventricular septal defect	1	0	8	9	0	1	0	0	1	0
C004	CRDM	0	1	1; ventricular septal defect	1	0	7	8	1	0	1	0	1	1
C005	CRDM	1	1	1; ventricular septal defect	1	0	8	9	0	1	0	0	1	0
C006	CRDM	1	1	1; ventricular septal defect	1	1	7	8	1	1	1	0	1	0
C007	CRDM	0	0	0; anvrism; atrial septal defect	1	0	9	10	0	1	0	1	0	0
C008	CRDM	0	1	0; atrial septal defect	1	1	8	9	1	1	1	0	1	0
C009	CRDM	1	1	0; atrial septal defect	1	1	8	9	0	1	0	0	1	0
C010	CRDM	0	0	0; atrial septal defect	0	1	9	9	1	1	0	0	0	0
C011	CRDM	1	0	0; atrial septal defect	1	0	8	9	0	0	0	0	0	0
C012	CRDM	0	1	left ventricular dysfunction	1	1	9	10	1	1	0	1	1	0
C013	CRDM	0	1	left ventricular dysfunction	0	1	8	9	1	0	0	1	1	1
C014	CRDM	0; Fetal growth	1	left ventricular dysfunction	0	0	8	9	0	0	0	0	1	0
H001	HPGM	0	0	0	1	0	8	9	0	1	0	0	0	0
H002	HPGM	0	0	0	1	0	8	9	0	0	0	0	1	0
H003	HPGM	0	0	0	1	0	?	?	1	1	0	0	0	0
H004	HPGM	1	0	0	1	0	9	9	0	0	0	0	0	0
H005	HPGM	0	0	0	1	0	8	8	1	0	0	0	0	0
H006	HPGM	0	0	0	1	0	9	10	1	0	0	0	0	0
H007	HPGM	0; Fetal growth	1	0	1	1	7	8	0	1	1	0	1	0
H008	HPGM	1	0	0	1	1	9	9	0	0	0	0	0	0
H009	HPGM	1	0	0	1	1	8	9	1	0	0	0	0	1
H010	HPGM	0	1	0	1	1	9	9	0	1	0	1	1	1
H011	HPGM	1	0	0	1	0	8	8	0	1	0	0	1	0
H012	HPGM	1	0	0	1	1	8	9	0	1	0	0	0	0
H013	HPGM	0	0	0	1	1	9	9	0	0	0	0	0	0
H014	HPGM	0	0	0	1	1	9	9	0	1	0	0	0	0
H015	HPGM	0	0	1	1	1	9	9	0	1	0	0	0	0
H016	HPGM	1	0	0	1	0	9	10	0	0	0	0	0	0
H017	HPGM	0	0	1	1	0	9	10	0	Not examined	0	0	0	0
H018	HPGM	0	0	1	1	0	9	9	0	0	0	0	0	0
H019	HPGM	0	0	1	1	0	8	9	0	0	0	0	0	0
H020	HPGM	0	0	1	1	0	8	9	0	1	0	0	0	0
H021	HPGM	0	0	1	1	0	8	9	0	0	0	0	0	0
H022	HPGM	1	0	1	1	0	9	9	0	0	0	0	0	0
H023	HPGM	0	0	1	1	0	9	9	1	1	0	0	0	0
H024	HPGM	0	0	1	1	0	8	9	0	0	0	0	0	0
H001	T2DM healthy	0	0	0	0	0	8	9	0	1	0	0	1	0
H002	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H003	T2DM healthy	0	0	0	0	0	8	9	0	1	0	0	0	0
H004	T2DM healthy	0	0	0	0	0	8	9	0	0	0	0	0	1
H005	T2DM healthy	0	0	0	0	0	8	9	0	0	0	0	0	0
H006	T2DM healthy	0	0	0	0	0	9	9	1	0	0	0	0	0
H007	T2DM healthy	1	0	0	0	0	9	9	1	0	0	0	0	1
H008	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H009	T2DM healthy	0	0	0	0	0	9	10	0	1	0	0	0	0
H010	T2DM healthy	0	0	0	0	0	9	9	0	1	0	0	0	0
H011	T2DM healthy	0	0	0	0	0	8	9	0	0	0	0	0	0
H012	T2DM healthy	0	0	0	0	0	9	9	0	0	0	0	0	0
H013	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H014	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H015	T2DM healthy	0	0	0	0	0	9	9	0	0	0	0	0	0
H016	T2DM healthy	0	0	0	0	0	9	9	0	0	0	0	0	0

H017	T2DM healthy	0	0	0	0	0	9	9	0	0	0	0	0	0
H018	T2DM healthy	0	0	0	0	0	8	9	0	0	0	0	0	0
H019	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H020	T2DM healthy	0	0	0	0	0	8	9	0	0	0	0	0	0
H021	T2DM healthy	0	0	0	0	0	8	8	0	0	0	0	0	0
H022	T2DM healthy	0	0	0	0	0	8	9	0	0	0	0	0	0
H023	T2DM healthy	0	0	0	0	0	9	9	0	0	0	0	0	1
H024	T2DM healthy	0	0	0	0	0	9	9	0	0	0	0	1	0
H025	T2DM healthy	0	0	0	0	0	8	9	0	0	0	0	0	0
H026	T2DM healthy	0	0	0	0	0	9	9	0	0	0	0	0	0
H027	T2DM healthy	0	0	0	0	0	9	9	0	0	0	0	0	0
H028	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H029	T2DM healthy	0	0	0	0	0	8	9	1	0	0	0	0	0
H030	T2DM healthy	0	0	0	0	0	8	9	1	0	0	0	0	0
H031	T2DM healthy	0	0	0	0	0	8	9	1	1	0	0	0	0
H032	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H033	T2DM healthy	1	0	0	0	0	9	9	0	0	0	0	0	0
H034	T2DM healthy	1	0	0	0	0	8	8	0	0	0	0	0	0
H035	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H036	T2DM healthy	0	0	0	0	0	9	10	0	0	0	0	0	0
H037	T2DM healthy	0	0	0	0	0	9	10	1	0	0	0	0	0
H038	T2DM healthy	0	0	1	0	0	9	9	0	0	0	0	0	0

Complete list of the most significant maternal serum-based markers for different types of fetopathy

Group	Protein name	Gene name	Mean Spectrum Counting NSAF [%]	Standard deviation Spectrum Counting NSAF [%]	Standard error of Mean	Covariation, %	Ration to control
CNS	Actin, cytoplasmic 1	ACTB	0.252	0.041	0.029	16.43%	167.43%
CRD	Actin, cytoplasmic 1	ACTB	0.097	0.016	0.011	15.98%	64.44%
HPM	Actin, cytoplasmic 1	ACTB	0.140	0.000	0.000	0.00%	93.10%
Normal	Actin, cytoplasmic 1	ACTB	0.151	0.123	0.039	81.88%	100.00%
CNS	Antithrombin-III	ANT3	0.200	0.098	0.025	49.20%	131.96%
CRD	Antithrombin-III	ANT3	0.238	0.133	0.038	56.02%	156.89%
HPM	Antithrombin-III	ANT3	0.178	0.093	0.027	52.37%	117.31%
Normal	Antithrombin-III	ANT3	0.152	0.093	0.013	61.18%	100.00%
CNS	Apolipoprotein C-IV	APOC4	0.476	0.310	0.117	65.19%	42.21%
CRD	Apolipoprotein C-IV	APOC4	0.879	1.039	0.346	118.25%	77.94%
HPM	Apolipoprotein C-IV	APOC4	0.477	0.341	0.139	71.38%	42.31%
Normal	Apolipoprotein C-IV	APOC4	1.127	1.207	0.302	107.09%	100.00%
CNS	Apolipoprotein M	APOM	0.218	0.153	0.088	70.24%	48.60%
CRD	Apolipoprotein M	APOM	0.494	0.221	0.156	44.82%	110.30%
HPM	Apolipoprotein M	APOM	0.588	0.134	0.077	22.73%	131.36%
Normal	Apolipoprotein M	APOM	0.448	0.225	0.065	50.29%	100.00%
CNS	Apolipoprotein	APOA	0.001	0.001	0.000	41.20%	130.29%
CRD	Apolipoprotein	APOA	0.002	0.001	0.001	44.54%	150.19%
HPM	Apolipoprotein	APOA	0.001	0.000	0.000	13.87%	110.97%
Normal	Apolipoprotein	APOA	0.001	0.001	0.000	72.56%	100.00%
CNS	C4b-binding protein alpha chain	C4BPA	0.340	0.283	0.076	83.31%	174.88%
CRD	C4b-binding protein alpha chain	C4BPA	0.270	0.145	0.042	53.74%	138.94%
HPM	C4b-binding protein alpha chain	C4BPA	0.199	0.105	0.035	52.87%	102.53%
Normal	C4b-binding protein alpha chain	C4BPA	0.194	0.110	0.015	56.55%	100.00%
CNS	Cell division cycle 5-like protein	CDC5L	0.184	0.000	0.000	0.00%	238.49%
CRD	Cell division cycle 5-like protein	CDC5L	0.089	0.000	0.000	0.00%	114.68%
HPM	Cell division cycle 5-like protein	CDC5L	0.074	0.044	0.020	60.17%	95.42%
Normal	Cell division cycle 5-like protein	CDC5L	0.077	0.065	0.020	84.08%	100.00%
CNS	Complement C1q subcomponent subunit B	C1QB	0.485	0.377	0.105	77.82%	159.54%
CRD	Complement C1q subcomponent subunit B	C1QB	0.224	0.107	0.040	47.52%	73.85%
HPM	Complement C1q subcomponent subunit B	C1QB	0.330	0.133	0.040	40.47%	108.54%
Normal	Complement C1q subcomponent subunit B	C1QB	0.304	0.199	0.030	65.57%	100.00%
CNS	Complement C1q subcomponent subunit C	C1QC	0.484	0.465	0.208	96.15%	145.72%
CRD	Complement C1q subcomponent subunit C	C1QC	0.342	0.156	0.064	45.67%	103.04%
HPM	Complement C1q subcomponent subunit C	C1QC	0.464	0.142	0.058	30.53%	139.78%
Normal	Complement C1q subcomponent subunit C	C1QC	0.332	0.204	0.040	61.52%	100.00%
CNS	Complement C1r subcomponent	C1R	0.050	0.015	0.010	29.31%	65.66%
CRD	Complement C1r subcomponent	C1R	0.111	0.025	0.015	22.89%	145.60%
HPM	Complement C1r subcomponent	C1R	0.082	0.031	0.015	37.58%	107.66%
Normal	Complement C1r subcomponent	C1R	0.076	0.028	0.011	36.58%	100.00%
CNS	Complement C2	CO2	0.059	0.022	0.011	37.87%	90.30%
CRD	Complement C2	CO2	0.126	0.081	0.029	64.17%	191.28%
HPM	Complement C2	CO2	0.072	0.019	0.008	26.83%	109.17%
Normal	Complement C2	CO2	0.066	0.037	0.011	56.57%	100.00%
CNS	Complement C4-A	CO4A	0.230	0.148	0.041	64.32%	145.25%
CRD	Complement C4-A	CO4A	0.163	0.063	0.018	38.59%	103.12%
HPM	Complement C4-A	CO4A	0.145	0.084	0.028	58.37%	91.35%
Normal	Complement C4-A	CO4A	0.158	0.077	0.013	48.43%	100.00%
CNS	Complement C5	CO5	0.131	0.128	0.036	97.74%	264.53%
CRD	Complement C5	CO5	0.065	0.026	0.008	40.19%	131.29%
HPM	Complement C5	CO5	0.070	0.039	0.012	56.04%	141.31%
Normal	Complement C5	CO5	0.050	0.037	0.007	73.81%	100.00%
CNS	Complement factor H	CFAH	0.250	0.112	0.027	44.81%	120.59%
CRD	Complement factor H	CFAH	0.160	0.079	0.022	49.79%	77.00%
HPM	Complement factor H	CFAH	0.186	0.092	0.025	49.39%	89.50%
Normal	Complement factor H	CFAH	0.207	0.084	0.011	40.51%	100.00%
CNS	Disheveled-associated activator of morphogenesis 2	DAAM2	0.085	0.045	0.026	53.05%	110.56%
CRD	Disheveled-associated activator of morphogenesis 2	DAAM2	0.162	0.023	0.013	14.15%	209.71%
HPM	Disheveled-associated activator of morphogenesis 2	DAAM2	0.128	0.000	0.000	0.00%	166.35%
Normal	Disheveled-associated activator of morphogenesis 2	DAAM2	0.077	0.031	0.012	39.73%	100.00%
CNS	Fibrinogen alpha chain	FIBA	0.146	0.093	0.033	63.80%	73.55%
CRD	Fibrinogen alpha chain	FIBA	0.089	0.062	0.025	69.12%	44.91%
HPM	Fibrinogen alpha chain	FIBA	0.207	0.099	0.035	47.96%	104.39%

Normal	Fibrinogen alpha chain	FIBA	0.199	0.158	0.031	79.66%	100.00%
CNS	Fibrinogen gamma chain	FIBG	0.186	0.083	0.042	44.95%	63.08%
CRD	Fibrinogen gamma chain	FIBG	0.175	0.041	0.029	23.61%	59.50%
HPM	Fibrinogen gamma chain	FIBG	0.399	0.204	0.091	51.07%	135.69%
Normal	Fibrinogen gamma chain	FIBG	0.294	0.214	0.068	72.64%	100.00%
CNS	Fibronectin	FINC	0.145	0.112	0.028	77.59%	137.60%
CRD	Fibronectin	FINC	0.189	0.155	0.045	81.88%	179.80%
HPM	Fibronectin	FINC	0.135	0.098	0.031	72.14%	128.59%
Normal	Fibronectin	FINC	0.105	0.077	0.011	73.46%	100.00%
CNS	Galectin-3-binding protein	LG3BP	0.129	0.066	0.020	51.23%	165.57%
CRD	Galectin-3-binding protein	LG3BP	0.095	0.057	0.017	60.05%	121.82%
HPM	Galectin-3-binding protein	LG3BP	0.131	0.116	0.037	88.76%	168.31%
Normal	Galectin-3-binding protein	LG3BP	0.078	0.045	0.009	58.23%	100.00%
CNS	Gelsolin	GELS	0.123	0.060	0.021	48.76%	95.75%
CRD	Gelsolin	GELS	0.102	0.082	0.031	80.55%	79.49%
HPM	Gelsolin	GELS	0.201	0.131	0.053	65.01%	156.71%
Normal	Gelsolin	GELS	0.128	0.078	0.016	60.75%	100.00%
CNS	Hemoglobin subunit alpha	HBA	1.728	1.931	0.516	111.74%	91.86%
CRD	Hemoglobin subunit alpha	HBA	1.012	0.934	0.282	92.30%	53.76%
HPM	Hemoglobin subunit alpha	HBA	1.494	1.089	0.314	72.92%	79.39%
Normal	Hemoglobin subunit alpha	HBA	1.882	1.396	0.195	74.20%	100.00%
CNS	Hemoglobin subunit delta	HBD	1.810	1.110	0.496	61.34%	110.56%
CRD	Hemoglobin subunit delta	HBD	1.067	0.296	0.148	27.79%	65.17%
HPM	Hemoglobin subunit delta	HBD	1.580	0.969	0.560	61.36%	96.50%
Normal	Hemoglobin subunit delta	HBD	1.637	0.715	0.185	43.66%	100.00%
CNS	Hemoglobin subunit gamma-1	HBG1	2.197	1.499	0.612	68.21%	180.11%
CRD	Hemoglobin subunit gamma-1	HBG1	1.266	0.990	0.700	78.21%	103.77%
HPM	Hemoglobin subunit gamma-1	HBG1	0.842	0.358	0.146	42.56%	69.03%
Normal	Hemoglobin subunit gamma-1	HBG1	1.220	0.641	0.171	52.55%	100.00%
CNS	Hemoglobin subunit gamma-2	HBG2	3.511	2.002	1.156	57.03%	222.71%
CRD	Hemoglobin subunit gamma-2	HBG2	2.018	0.000	0.000	0.00%	127.98%
HPM	Hemoglobin subunit gamma-2	HBG2	0.997	0.486	0.280	48.72%	63.22%
Normal	Hemoglobin subunit gamma-2	HBG2	1.576	0.791	0.264	50.16%	100.00%
CNS	Insulin-like growth factor-binding protein complex acid labile subunit	ALS	0.207	0.174	0.052	83.89%	162.28%
CRD	Insulin-like growth factor-binding protein complex acid labile subunit	ALS	0.262	0.157	0.052	59.84%	205.14%
HPM	Insulin-like growth factor-binding protein complex acid labile subunit	ALS	0.127	0.056	0.019	44.55%	99.16%
Normal	Insulin-like growth factor-binding protein complex acid labile subunit	ALS	0.128	0.071	0.014	55.36%	100.00%
CNS	Inter-alpha-trypsin inhibitor heavy chain H1	ITIH1	0.340	0.128	0.031	37.73%	97.58%
CRD	Inter-alpha-trypsin inhibitor heavy chain H1	ITIH1	0.568	0.178	0.049	31.29%	163.03%
HPM	Inter-alpha-trypsin inhibitor heavy chain H1	ITIH1	0.381	0.112	0.031	29.45%	109.27%
Normal	Inter-alpha-trypsin inhibitor heavy chain H1	ITIH1	0.349	0.161	0.022	46.25%	100.00%
CNS	Kallistatin	KAIN	0.069	0.029	0.017	42.01%	81.78%
CRD	Kallistatin	KAIN	0.117	0.040	0.018	34.21%	138.65%
HPM	Kallistatin	KAIN	0.079	0.044	0.018	55.12%	94.04%
Normal	Kallistatin	KAIN	0.084	0.044	0.013	52.33%	100.00%
CNS	Laminin subunit beta-4	LAMB4	0.059	0.030	0.021	49.94%	124.82%
CRD	Laminin subunit beta-4	LAMB4	0.150	0.000	0.000	0.00%	316.86%
HPM	Laminin subunit beta-4	LAMB4	0.022	0.000	0.000	0.00%	47.13%
Normal	Laminin subunit beta-4	LAMB4	0.047	0.030	0.009	63.77%	100.00%
CNS	Leucine-rich alpha-2-glycoprotein	A2GL	0.515	0.313	0.078	60.75%	129.16%
CRD	Leucine-rich alpha-2-glycoprotein	A2GL	0.659	0.408	0.118	61.84%	165.16%
HPM	Leucine-rich alpha-2-glycoprotein	A2GL	0.398	0.187	0.054	46.94%	99.75%
Normal	Leucine-rich alpha-2-glycoprotein	A2GL	0.399	0.258	0.036	64.65%	100.00%
CNS	MKL/myocardin-like protein 2	MKL2	0.251	0.180	0.127	71.80%	95.05%
CRD	MKL/myocardin-like protein 2	MKL2	0.195	0.077	0.039	39.77%	73.86%
HPM	MKL/myocardin-like protein 2	MKL2	0.341	0.175	0.101	51.15%	129.41%
Normal	MKL/myocardin-like protein 2	MKL2	0.264	0.138	0.037	52.46%	100.00%
CNS	N-acetylmuramoyl-L-alanine amidase	PGRP2	0.138	0.031	0.018	22.66%	122.74%
CRD	N-acetylmuramoyl-L-alanine amidase	PGRP2	0.151	0.000	0.000	0.00%	134.50%
HPM	N-acetylmuramoyl-L-alanine amidase	PGRP2	0.229	0.047	0.027	20.72%	203.25%
Normal	N-acetylmuramoyl-L-alanine amidase	PGRP2	0.113	0.080	0.024	71.11%	100.00%
CNS	Nebulin	NEBU	0.027	0.016	0.004	59.43%	54.57%
CRD	Nebulin	NEBU	0.040	0.025	0.007	61.58%	82.58%
HPM	Nebulin	NEBU	0.038	0.031	0.009	79.76%	78.62%
Normal	Nebulin	NEBU	0.049	0.035	0.006	72.36%	100.00%
CNS	Neutrophil defensin 1	DEF1	0.573	0.000	0.000	0.00%	71.68%
CRD	Neutrophil defensin 1	DEF1	0.697	0.429	0.304	61.62%	87.22%
HPM	Neutrophil defensin 1	DEF1	0.384	0.052	0.037	13.58%	48.03%
Normal	Neutrophil defensin 1	DEF1	0.799	1.146	0.346	143.45%	100.00%

CNS	Phosphatidylinositol-glycan-specific phospholipase D	PHLD	0.030	0.009	0.005	28.57%	54.13%
CRD	Phosphatidylinositol-glycan-specific phospholipase D	PHLD	0.104	0.059	0.027	56.99%	186.13%
HPM	Phosphatidylinositol-glycan-specific phospholipase D	PHLD	0.048	0.014	0.006	28.89%	86.32%
Normal	Phosphatidylinositol-glycan-specific phospholipase D	PHLD	0.056	0.035	0.012	61.95%	100.00%
CNS	Pigment epithelium-derived factor	PEDF	0.403	0.262	0.131	64.90%	214.73%
CRD	Pigment epithelium-derived factor	PEDF	0.233	0.222	0.111	95.01%	124.28%
HPM	Pigment epithelium-derived factor	PEDF	0.285	0.259	0.086	91.09%	151.55%
Normal	Pigment epithelium-derived factor	PEDF	0.188	0.189	0.047	100.44%	100.00%
CNS	Plasma protease C1 inhibitor	IC1	0.325	0.179	0.045	54.91%	95.60%
CRD	Plasma protease C1 inhibitor	IC1	0.514	0.278	0.077	54.14%	151.00%
HPM	Plasma protease C1 inhibitor	IC1	0.426	0.155	0.045	36.32%	125.22%
Normal	Plasma protease C1 inhibitor	IC1	0.340	0.205	0.029	60.18%	100.00%
CNS	Platelet basic protein	CXCL7	0.811	0.552	0.166	68.07%	114.91%
CRD	Platelet basic protein	CXCL7	0.728	0.450	0.170	61.84%	103.24%
HPM	Platelet basic protein	CXCL7	1.207	0.511	0.170	42.33%	171.09%
Normal	Platelet basic protein	CXCL7	0.706	0.484	0.077	68.60%	100.00%
CNS	Rho guanine nucleotide exchange factor 3	ARHG3	0.345	0.133	0.054	38.47%	162.86%
CRD	Rho guanine nucleotide exchange factor 3	ARHG3	0.226	0.125	0.089	55.38%	107.00%
HPM	Rho guanine nucleotide exchange factor 3	ARHG3	0.192	0.062	0.036	32.07%	90.64%
Normal	Rho guanine nucleotide exchange factor 3	ARHG3	0.212	0.089	0.036	42.17%	100.00%
CNS	Serum amyloid P-component	SAMP	0.813	0.470	0.121	57.77%	142.20%
CRD	Serum amyloid P-component	SAMP	0.689	0.458	0.132	66.55%	120.49%
HPM	Serum amyloid P-component	SAMP	0.428	0.207	0.060	48.31%	74.82%
Normal	Serum amyloid P-component	SAMP	0.572	0.333	0.047	58.17%	100.00%
CNS	Thrombospondin-1	TSP1	0.137	0.060	0.024	43.64%	262.78%
CRD	Thrombospondin-1	TSP1	0.072	0.065	0.024	89.31%	138.63%
HPM	Thrombospondin-1	TSP1	0.077	0.046	0.017	60.12%	147.21%
Normal	Thrombospondin-1	TSP1	0.052	0.038	0.009	72.49%	100.00%
CNS	Transthyretin	TTHY	1.940	1.300	0.315	67.03%	157.46%
CRD	Transthyretin	TTHY	1.708	0.837	0.232	49.02%	138.65%
HPM	Transthyretin	TTHY	1.623	0.678	0.196	41.76%	131.78%
Normal	Transthyretin	TTHY	1.232	0.777	0.108	63.09%	100.00%
CNS	Zinc finger protein DPF3	DPF3	0.421	0.370	0.214	87.96%	7.02%
CRD	Zinc finger protein DPF3	DPF3	0.832	0.000	0.000	0.00%	204.63%
HPM	Zinc finger protein DPF3	DPF3	0.029	0.029	0.020	100.00%	103.57%
Normal	Zinc finger protein DPF3	DPF3	0.407	0.263	0.083	64.58%	100.00%