Supplementary Table 3. Cell regulatory and immunological proteins differed between pregnant and non-pregnant patients as well as during and after pregnancy. Peripheral venous blood from pregnant women with long-standing type 1 diabetes (L-T1D) was collected at three visits: first trimester (1T, *n* = 16), third trimester (3T, *n* = 15), and two months postpartum (2PP, *n* = 15). For comparison, frozen plasma samples from non-pregnant women with L-T1D (NP, *n* = 30) were used. A total of 184 analytes were measured by proximity extension assay. A two-sided unpaired Welch t-test was applied and adjusted for multiple testing (adjusted p-value) to compare protein levels between non-pregnant participants and both trimesters. A linear mixed effects model was used to assess longitudinal variations in the proteome of pregnant women. The model found that 79 analytes in total had changed between visits. The Benjamini-Hochberg method was then applied to correct for multiple testing across all proteins and fixed effects (false discovery rate, q-value).

Welch t-test		
Comparison	**Significant (adjusted p < 0.05)**	**Non-significant**
1T vs NP	16	168
3T vs NP	47	137
Linear mixed model		
Comparison	**Significant (q < 0.05)**	**Non-significant**
1T vs 3T	47	32
1T vs 2PP	50	29
3T vs 2PP	63	16

Test	Comparison	UniProt	Short name	Adjusted p-value
Welch Two Sample t-test	**1T vs NP**	P58294	PROK1	1,50E-09
		Q9UKX5	ITGA11	2,22E-06
		O43699	SIGLEC6	6,41E-06
		P08727	KRT19	1,09E-05
		Q9NP99	TREM1	6,67E-05
		P51671	CCL11	1,30E-04
		O75054	IGSF3	4,20E-04
		Q86SJ2	AMIGO2	4,20E-04
		Q86WV1	SKAP1	6,32E-04
		O43186	CRX	9,21E-04
		Q9NSA1	FGF-21	9,56E-04
		O14917	PCDH17	1,79E-03
		Q6UXK5	LRRN1	2,88E-03
		Q07065	CKAP4	2,93E-03
		Q9Y3P8	SIT1	3,34E-02
		P15514	AREG	4,73E-02
Welch Two Sample t-test	**3T vs NP**	O43699	SIGLEC6	2,63E-15
		O75054	IGSF3	2,63E-15
		Q9UKX5	ITGA11	3,59E-11
		Q07065	CKAP4	6,86E-09
		Q9NP99	TREM1	1,37E-07
		P08727	KRT19	1,38E-07
		P58294	PROK1	1,38E-07
		P51671	CCL11	3,65E-07
		P15514	AREG	1,19E-05
		Q6UXK5	LRRN1	1,44E-05
		O00220	TNFRSF10A	1,11E-04
		Q6UXB4	CLEC4G	3,24E-04
		P21810	BGN	3,91E-04
		Q96PQ0	SORCS2	4,35E-04
		Q8TD06	AGR3	6,92E-04
		Q9Y3P8	SIT1	8,39E-04
		Q8WTT0	CLEC4C	1,06E-03
		Q9UMR7	CLEC4A	1,15E-03
		O75354	ENTPD6	2,05E-03
		Q8WXI8	CLEC4D	2,39E-03
		O43186	CRX	2,82E-03
		Q86WV1	SKAP1	2,82E-03
		P02462	COL4A1	3,01E-03
		Q86SJ2	AMIGO2	3,01E-03
		O43915	VEGFD	4,73E-03
		Q96SM3	CPXM1	6,23E-03
		P16278	GLB1	6,58E-03
		P48740	MASP1	6,58E-03

		O60243	HS6ST1	6,92E-03
		P28845	HSD11B1	6,92E-03
		P78310	CXADR	8,47E-03
		P58499	FAM3B	8,58E-03
		Q06520	SULT2A1	1,18E-02
		Q9Y662	HS3ST3B1	1,18E-02
		O60449	LY75	1,49E-02
		Q9BQT9	CLSTN3	1,78E-02
		Q96PD2	DCBLD2	1,94E-02
		O95988	TCL1B	2,11E-02
		P34130	NTF4	3,31E-02
		P05231	IL6	3,45E-02
		Q9BXN2	CLEC7A	3,49E-02
		Q6EIG7	CLEC6A	3,70E-02
		Q9NRM6	IL17RB	3,70E-02
		P47929	LGALS7	3,70E-02
		P15848	ARSB	4,30E-02
		Q92982	NINJ1	4,33E-02
		P01275	GCG	4,89E-02
Linear mixed model	**1T vs 3T**	**Q8TD06**	**AGR3**	**9,18E-06**
		P15514	AREG	2,88E-02
		P21810	BGN	1,07E-05
		Q9BWV1	BOC	1,70E-02
		P10747	CD28	3,22E-02
		Q07065	CKAP4	4,21E-10
		Q9UMR7	CLEC4A	1,38E-08
		Q8WTT0	CLEC4C	4,85E-03
		Q6UXB4	CLEC4G	4,60E-06
		Q6EIG7	CLEC6A	1,33E-02
		Q9BXN2	CLEC7A	2,45E-07
		P78310	CXADR	4,58E-05
		Q96PD2	DCBLD2	1,56E-03
		O75354	ENTPD6	2,69E-05
		P58499	FAM3B	3,26E-05
		Q9NSA1	FGF-21	6,81E-10
		Q10471	GALNT2	1,04E-06
		P01275	GCG	2,18E-02
		Q02742	GCNT1	1,54E-03
		P01242	GH2	4,00E-03
		P16278	GLB1	3,08E-04
		Q9Y662	HS3ST3B1	6,43E-03
		O60243	HS6ST1	2,27E-05
		O75054	IGSF3	2,41E-14
		Q9NRM6	IL17RB	2,32E-04
		P05231	IL6	4,41E-03
		Q9UKX5	ITGA11	2,21E-04

		P18564	ITGB6	2,53E-04
		Q96I82	KAZALD1	7,04E-04
		Q13241	KLRD1	1,89E-03
		P08727	KRT19	1,66E-04
		Q9UQV4	LAMP3	2,72E-02
		Q6UXK5	LRRN1	4,10E-04
		Q8N2G4	LYPD1	4,32E-03
		Q12968	NFATC3	1,76E-02
		P34130	NTF4	1,34E-02
		O14917	PCDH17	1,15E-02
		P58294	PROK1	4,45E-02
		Q9C0C4	SEMA4C	2,31E-03
		Q96LC7	SIGLEC10	1,21E-02
		O43699	SIGLEC6	0,00E+00
		Q96PQ0	SORCS2	1,33E-06
		Q06520	SULT2A1	1,49E-04
		P09758	TACSTD2	7,55E-03
		O00220	TNFRSF10A	2,58E-08
		Q9NP99	TREM1	6,41E-05
		O43915	VEGFD	1,32E-03
Linear mixed model	**1T vs 2PP**	Q8TD06	AGR3	3,27E-02
		Q86SJ2	AMIGO2	3,18E-04
		P15514	AREG	6,38E-06
		Q9BWV1	BOC	3,10E-06
		P78410	BTN3A2	1,11E-02
		P51671	CCL11	4,30E-06
		P10747	CD28	8,63E-03
		Q01151	CD83	3,53E-04
		Q49AH0	CDNF	3,80E-03
		Q15517	CDSN	1,20E-02
		Q8WTT0	CLEC4C	4,73E-03
		Q9BXN2	CLEC7A	3,24E-03
		Q9BQT9	CLSTN3	9,05E-07
		Q8N608	DPP10	2,58E-03
		Q7Z5A7	FAM19A5	2,11E-05
		P58499	FAM3B	1,20E-02
		Q96P31	FCRL3	1,69E-04
		Q9NSA1	FGF-21	1,91E-07
		Q10471	GALNT2	1,31E-02
		Q02742	GCNT1	7,69E-04
		A4D1B5	GSAP	4,86E-04
		P28845	HSD11B1	7,86E-03
		Q8IU57	IFNLR1	3,55E-05
		O75054	IGSF3	1,04E-03
		P42701	IL12RB1	5,54E-03
		Q9UKX5	ITGA11	5,13E-08

		P18564	ITGB6	3,88E-05
		Q96I82	KAZALD1	4,35E-02
		Q13241	KLRD1	8,75E-05
		P08727	KRT19	4,66E-06
		P18627	LAG3	5,86E-05
		Q6UXK5	LRRN1	6,85E-14
		O60449	LY75	5,94E-07
		Q9NX58	LYAR	2,67E-05
		Q8N2G4	LYPD1	6,68E-03
		Q7Z6M3	MILR1	3,89E-06
		Q16653	MOG	1,53E-05
		Q9UBG0	MRC2	1,94E-06
		O14917	PCDH17	5,89E-03
		P58294	PROK1	3,66E-15
		O60880	SH2D1A	4,70E-03
		Q96LC7	SIGLEC10	1,72E-02
		O43699	SIGLEC6	5,65E-10
		Q9Y3P8	SIT1	1,10E-04
		Q86WV1	SKAP1	3,70E-07
		Q96PQ0	SORCS2	4,02E-02
		P09758	TACSTD2	5,67E-04
		Q15661	TPSAB1	2,68E-03
		Q9NP99	TREM1	1,17E-03
		O43915	VEGFD	2,18E-03
Linear mixed model	3T vs 2PP	Q8TD06	AGR3	1,08E-02
		Q86SJ2	AMIGO2	6,34E-04
		P15514	AREG	5,94E-09
		P21810	BGN	3,92E-03
		Q9BWV1	BOC	9,15E-03
		P51671	CCL11	4,03E-08
		P10747	CD28	5,93E-06
		Q01151	CD83	2,62E-05
		Q49AH0	CDNF	1,50E-04
		Q15517	CDSN	2,75E-04
		P0CG37	CFC1	1,56E-02
		Q07065	CKAP4	1,38E-11
		Q9UMR7	CLEC4A	3,52E-06
		Q8WTT0	CLEC4C	3,90E-07
		Q6UXB4	CLEC4G	3,84E-06
		Q6EIG7	CLEC6A	2,51E-02
		Q9BXN2	CLEC7A	5,34E-03
		Q9BQT9	CLSTN3	4,74E-06
		P16562	CRISP2	8,25E-03
		O43186	CRX	2,92E-02
		P78310	CXADR	2,27E-03
		Q8N608	DPP10	2,12E-03

		Q9UNE0	EDAR	3,38E-03
		O75354	ENTPD6	1,96E-03
		Q7Z5A7	FAM19A5	8,86E-06
		Q96P31	FCRL3	2,24E-06
		Q9NSA1	FGF-21	4,51E-02
		Q10471	GALNT2	3,22E-03
		P01275	GCG	4,57E-02
		P01242	GH2	7,82E-04
		P16278	GLB1	2,32E-04
		A4D1B5	GSAP	1,16E-02
		Q9Y662	HS3ST3B1	6,51E-05
		O60243	HS6ST1	4,69E-05
		P28845	HSD11B1	1,68E-05
		Q8IU57	IFNLR1	6,25E-07
		O75054	IGSF3	0,00E+00
		Q9NRM6	IL17RB	1,83E-04
		Q9UKX5	ITGA11	1,90E-12
		P08727	KRT19	3,91E-11
		P18627	LAG3	1,47E-02
		Q9UQV4	LAMP3	1,30E-03
		Q6UXK5	LRRN1	0,00E+00
		O60449	LY75	8,85E-09
		Q9NX58	LYAR	3,82E-04
		Q6UB28	METAP1D	4,73E-03
		Q7Z6M3	MILR1	5,05E-07
		Q16653	MOG	1,70E-05
		Q9UBG0	MRC2	1,05E-04
		P58294	PROK1	0,00E+00
		O75475	PSIP1	9,31E-03
		Q03431	PTH1R	2,39E-04
		O60880	SH2D1A	1,48E-03
		O43699	SIGLEC6	9,99E-15
		Q9Y3P8	SIT1	8,25E-07
		Q86WV1	SKAP1	3,12E-06
		Q96PQ0	SORCS2	9,37E-04
		Q06520	SULT2A1	4,86E-02
		O00220	TNFRSF10A	2,35E-06
		Q15661	TPSAB1	1,50E-03
		Q9NP99	TREM1	1,79E-09
		O43915	VEGFD	7,01E-08
		O14904	WNT9A	1,09E-02