

Table S4. Relative intensities of wax esters in vernix caseosa of newborn boys and girls calculated from MALDI spectra (mean $\pm$ SD).

% fit states the correspondence of individual variables with the model prediction on sex specificity of relative intensities extracted from RDA analysis.

WE:	30:1	30:0	31:1	31:0	32:1	32:0	33:1	33:0	34:2	34:1	34:0	35:2	35:1	35:0	36:2	36:1	36:0	37:2	37:1	37:0	38:2
♂	1.79	0.32	1.30	0.48	7.20	0.91	4.04	0.81	1.68	10.34	1.84	0.72	4.53	1.95	6.84	13.32	2.77	1.04	5.30	1.92	3.66
	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$
	0.50	0.14	0.52	0.19	1.95	0.27	1.18	0.25	0.37	2.97	0.43	0.31	1.29	0.61	1.32	2.99	0.90	0.37	0.89	0.84	0.59
% fit	<30	<30	<30	<30	47	<30	48	<30	<30	46	<30	<30	31	<30	42	36	<30	<30	<30	<30	<30
♀	1.44	0.24	1.03	0.31	3.98	0.59	2.39	0.55	1.30	6.27	1.78	0.66	3.43	2.26	4.66	10.09	3.42	0.98	5.57	2.58	3.66
	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$
	0.96	0.13	0.7	0.17	2.54	0.33	1.6	0.21	0.78	3.26	0.53	0.37	1.43	0.57	2.1	2.44	0.98	0.36	0.94	0.87	0.45

WE:	38:1	38:0	39:2	39:1	39:0	40:2	40:1	40:0	41:2	41:1	41:0	42:2	42:1	42:0	43:2	43:1	43:0	44:2	44:1	44:0
♂	7.47	1.78	0.55	2.95	1.03	1.80	3.86	0.89	0.21	1.27	0.47	0.76	2.00	0.36	0.06	0.58	0.15	0.25	0.71	0.08
	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$
	1.24	0.85	0.19	0.81	0.63	0.54	1.36	0.65	0.08	0.76	0.49	0.57	1.42	0.46	0.04	0.53	0.26	0.24	0.72	0.13
% fit	<30	32	49	43	<30	53	41	<30	60	44	<30	52	34	<30	44	30	<30	47	<30	<30
♀	8.97	2.67	0.90	4.49	1.73	2.83	6.01	1.56	0.54	2.45	0.78	1.82	3.72	0.57	0.20	1.15	0.21	0.69	1.37	0.12
	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$	$\pm$
	2.06	1.05	0.26	1.39	0.92	0.81	1.69	1.03	0.27	1	0.57	0.87	1.53	0.47	0.15	0.66	0.17	0.42	0.69	0.11