

SUPPLEMENTARY TABLES

Supplementary Table 1. P-values for analysis of variance (ANOVA) and chi-square test, for all job exposures and risk factors.

ANOVA P-values	Sex*	BMI	Education	Physical activity	Alcohol consumption	Smoking
Control	0.04	0.18	<0.001	0.34	0.82	0.65
Demand	<0.001	0.31	<0.001	0.24	0.12	0.38
Job strain	<0.001	0.45	<0.001	0.57	0.32	0.45
Job strain linear	<0.001	0.33	<0.001	0.37	0.23	0.5
Job strain quotient	<0.001	0.45	<0.001	0.57	0.32	0.45
Effort	0.01	0.62	<0.001	0.47	0.61	<0.001
Reward	0.29	0.56	0.03	0.91	<0.001	0.22
Effort-Reward Imbalance	0.03	0.9	0.2	0.58	0.24	0.02
Overcommitment	0.02	0.35	0.05	0.08	0.91	0.09
Work attitude	<0.001	0.54	<0.001	0.1	0.2	0.24
Work engagement	<0.001	0.49	<0.001	0.06	0.05	0.1
Chi Square P-values						
Job status	<0.001	0.61	0.27	0.86	0.71	0.23
Employer	<0.001	0.17	<0.001	0.57	0.03	<0.001
Occupational group	0.98	0.81	<0.001	0.86	0.3	<0.001
Job Strain quartile	<0.001	0.3	<0.001	0.89	0.28	0.75
Job Strain Revised	<0.001	0.05	<0.001	0.16	0.07	0.71
Work history	0.26	0.38	0.05	0.86	0.76	0.2
OPA	0.21	0.05	<0.001	0.71	0.55	0.06
Working hours	<0.001	0.87	0.04	0.12	<0.001	0.36
Shift	0.53	0.14	<0.001	0.66	0.05	0.03
Job Security	0.84	0.7	0.91	0.95	0.19	0.13

*For sex is a t-test as it has only two levels.

Supplementary Table 2. Pearson correlations among extrinsic epigenetic age acceleration and pace of ageing.

N=604	Horvath	Hannum	PhenoAge	GrimAge
Horvath				
Hannum	0.96			
PhenoAge	0.48	0.47		
GrimAge	0.23	0.20	0.31	
DunedinPoAm	0.24	0.20	0.33	0.78

Supplementary Table 3. Adjusted coefficient estimates from linear regression with 95% confidence intervals.

		HorvathAA	HannumAA	PhenoAgeAA	GrimAgeAA	DunedinPoAm
		Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)
Job Status	permanent	Ref.	Ref.	Ref.	Ref.	Ref.
	temporary	-1.127 (-2.422,0.168)	-0.694 (-1.661,0.272)	-0.505 (-2.017,1.008)	0.631 (-0.341,1.602)	0.005 (-0.013,0.023)
	unemployed	0.063 (-1.325,1.451)	-0.006 (-1.042,1.03)	0.817 (-0.804,2.438)	0.602 (-0.439,1.644)	0.004 (-0.015,0.023)
Employer	private employer	Ref.	Ref.	Ref.	Ref.	Ref.
	state/municipality	0.063 (-0.699,0.825)	0.048 (-0.522,0.618)	0.116 (-0.775,1.008)	-0.096 (-0.655,0.463)	0 (-0.011,0.01)
Occupational group	Blue collars	Ref.	Ref.	Ref.	Ref.	Ref.
	White collars	0.509 (-0.274,1.292)	0.318 (-0.268,0.905)	0.257 (-0.653,1.166)	-0.683 (-1.264,-0.102) *	-0.002 (-0.013,0.008)
Job control		0.317 (-0.149,0.782)	0.169 (-0.179,0.517)	-0.186 (-0.73,0.359)	-0.154 (-0.508,0.199)	-0.001 (-0.007,0.006)
Job demand		0.086 (-0.446,0.618)	0.118 (-0.279,0.514)	-0.483 (-1.103,0.137)	-0.018 (-0.42,0.384)	-0.004 (-0.012,0.003)
Job strain Linear		-0.41 (-1.234,0.415)	-0.154 (-0.769,0.462)	-0.354 (-1.314,0.605)	0.157 (-0.465,0.779)	-0.005 (-0.017,0.006)
Job strain	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.
	active work	0.217 (-0.724,1.158)	0.271 (-0.431,0.973)	-1.301 (-2.391,-0.212) *	0.254 (-0.454,0.963)	-0.005 (-0.018,0.009)
	passive work	0.177 (-0.856,1.21)	0.223 (-0.547,0.994)	-0.666 (-1.862,0.53)	0.518 (-0.26,1.296)	0.005 (-0.01,0.019)
	high strain	-0.189 (-1.256,0.877)	-0.037 (-0.832,0.759)	-0.527 (-1.761,0.708)	0.526 (-0.277,1.329)	0 (- 0.015,0.015)
Job strain quotient		-0.843 (-2.066,0.379)	-0.414 (-1.328,0.499)	-0.568 (-1.992,0.855)	0.234 (-0.69,1.157)	-0.009 (-0.026,0.008)
Job strain tertile	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.
	Intermediate strain	-0.328 (-1.194,0.538)	-0.101 (-0.748,0.545)	-0.942 (-1.946,0.062)	0.31 (-0.343,0.963)	0.001 (-0.012,0.013)
	high strain	-0.226 (-1.109,0.657)	-0.032 (-0.691,0.627)	-0.283 (-1.307,0.741)	0.133 (-0.532,0.799)	-0.002 (-0.014,0.011)
Effort		-0.582 (-1.098,-0.066) *	-0.44 (-0.825,-0.054) *	-0.323 (-0.932,0.285)	0.013 (-0.381,0.408)	0.001 (-0.006,0.008)
Reward		0.115 (-0.53,0.76)	0.212 (-0.27,0.693)	0.049 (-0.705,0.803)	0.095 (-0.391,0.58)	-0.005 (-0.014,0.004)
Effort-Reward Imbalance		-0.734 (-1.598,0.13)	-0.61 (-1.255,0.036)	-0.38 (-1.394,0.634)	0.021 (-0.632,0.673)	0.004 (-0.008,0.016)
Overcommitment		0.097 (-0.448,0.641)	0.065 (-0.343,0.472)	0.24 (-0.396,0.876)	-0.029 (-0.443,0.386)	0 (-0.008,0.008)
Work history	At least temporary unemployed	Ref.	Ref.	Ref.	Ref.	Ref.
	Continuously Employed	0.205 (-0.46,0.87)	0.232 (-0.263,0.728)	-0.064 (-0.838,0.709)	-0.406 (-0.905,0.092)	-0.005 (-0.014,0.005)
Occupational Physical Activity strenuousness	Low Intensity	Ref.	Ref.	Ref.	Ref.	Ref.
	Intermediate Intensity	-0.357 (-1.42,0.705)	-0.176 (-0.971,0.618)	0.472 (-0.775,1.719)	0.638 (-0.169,1.445)	0.002 (-0.013,0.017)
	High Intensity	-0.345 (-1.406,0.715)	-0.087 (-0.88,0.705)	0.623 (-0.621,1.867)	0.017 (-0.787,0.822)	-0.013 (-0.028,0.002)
Working hours per week	less than 31 hours	Ref.	Ref.	Ref.	Ref.	Ref.

	31-40 hours	1.511 (-0.001,3.022) *	1.171 (0.042,2.3) *	-0.446 (-2.227,1.336)	-0.629 (-1.783,0.526)	-0.006 (-0.028,0.015)
	more than 40 hours	2.009 (0.368,3.651) *	1.547 (0.321,2.772) *	0.197 (-1.737,2.132)	-0.657 (-1.911,0.597)	-0.005 (-0.028,0.018)
	Day job	Ref.	Ref.	Ref.	Ref.	Ref.
Working shift	Evening/shift	0.346 (-0.54,1.232)	0.342 (-0.322,1.005)	0.481 (-0.562,1.524)	0.176 (-0.5,0.852)	0.007 (-0.005,0.02)
Work attitude		0.025 (-0.073,0.123)	0.01 (-0.063,0.083)	-0.006 (-0.12,0.109)	0.04 (-0.033,0.112)	0 (-0.002,0.001)
Work engagement		0.012 (-0.022,0.046)	0.008 (-0.018,0.034)	0.01 (-0.03,0.05)	-0.01 (-0.036,0.016)	0 (-0.001,0)
Job security	No	Ref.	Ref.	Ref.	Ref.	Ref.
	Yes	1.115 (0.16,2.071) *	0.841 (0.127,1.555) *	1.015 (-0.109,2.138)	-0.01 (-0.74,0.72)	-0.004 (-0.018,0.009)

Fully adjusted models for: BMI, alcohol consumption, educational level, leisure-time physical activity and smoking.

*Relevant confidence intervals.

Supplementary Table 4. Standardized unadjusted coefficient estimates from linear regression with 95% confidence intervals.

		HorvathAA	HannumAA	PhenoAgeAA	GrimAgeAA	DunedinPoAm
		Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)
Job Status	permanent	Ref.	Ref.	Ref.	Ref.	Ref.
	temporary	-0.319 (-0.63,-0.008)*	-0.275 (-0.586,0.036)	0.027 (-0.284,0.339)	0.149 (-0.162,0.459)	0.202 (-0.109,0.513)
	unemployed	0.053 (-0.29,0.395)	0.035 (-0.308,0.378)	0.186 (-0.157,0.529)	0.427 (0.085,0.768)*	0.27 (-0.072,0.613)
Employer	private employer	Ref.	Ref.	Ref.	Ref.	Ref.
	state/municipality	-0.085 (-0.253,0.083)	-0.085 (-0.253,0.083)	0.039 (-0.129,0.207)	-0.299 (-0.462,-0.135)	-0.079 (-0.245,0.086)
Occupational group	Blue collars	Ref.	Ref.	Ref.	Ref.	Ref.
	White collars	0.034 (-0.137,0.205)	0.03 (-0.142,0.201)	0.001 (-0.17,0.172)	-0.355 (-0.521,-0.188)*	-0.208 (-0.374,-0.042)*
Job control		0.082 (-0.027,0.191)	0.066 (-0.043,0.176)	-0.047 (-0.156,0.062)	-0.055 (-0.163,0.052)	-0.062 (-0.171,0.046)
Job demand		0.006 (-0.119,0.13)	0.016 (-0.109,0.141)	-0.064 (-0.189,0.061)	-0.087 (-0.21,0.036)	-0.066 (-0.189,0.058)
Job strain Linear		-0.122 (-0.314,0.07)	-0.09 (-0.282,0.102)	-0.02 (-0.211,0.171)	-0.037 (-0.226,0.151)	-0.006 (-0.195,0.184)
Job strain	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.
	active work	0.038 (-0.191,0.267)	0.057 (-0.173,0.286)	-0.25 (-0.477,-0.023)*	-0.084 (-0.308,0.14)	-0.116 (-0.342,0.109)
	passive work	0.028 (-0.221,0.277)	0.046 (-0.203,0.296)	-0.143 (-0.39,0.104)	0.052 (-0.192,0.295)	0.054 (-0.191,0.299)
Job strain quotient	high strain	-0.089 (-0.337,0.16)	-0.075 (-0.324,0.174)	-0.055 (-0.301,0.192)	0.004 (-0.24,0.248)	0.071 (-0.173,0.316)
		-0.234 (-0.521,0.053)	-0.186 (-0.474,0.101)	-0.048 (-0.334,0.238)	0.014 (-0.267,0.296)	0.011 (-0.272,0.294)
Job strain tertile	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.
	Intermediate strain	-0.12 (-0.328,0.088)	-0.079 (-0.287,0.129)	-0.214 (-0.42,-0.007)*	0.01 (-0.194,0.214)	-0.002 (-0.207,0.203)
	high strain	-0.11 (-0.318,0.097)	-0.085 (-0.292,0.123)	-0.04 (-0.246,0.166)	-0.108 (-0.311,0.095)	-0.009 (-0.214,0.196)
Effort		-0.103 (-0.227,0.021)	-0.104 (-0.228,0.02)	-0.051 (-0.176,0.074)	0.186 (0.063,0.308)*	0.136 (0.012,0.26)*
Reward		0.022	0.059	0.049	0.08	0.03 (-0.122,0.183)

		(-0.132,0.176)	(-0.095,0.214)	(-0.105,0.204)	(-0.071,0.232)	
Effort-Reward Imbalance		-0.131 (-0.341,0.079)	-0.151 (-0.361,0.059)	-0.082 (-0.294,0.129)	0.195 (-0.012,0.401)	0.159 (-0.049,0.367)
Overcommitment		0.043 (-0.088,0.173)	0.034 (-0.097,0.165)	0.027 (-0.104,0.158)	0.036 (-0.094,0.166)	0 (-0.132,0.131)
Work history	At least temporary unemployed	Ref.	Ref.	Ref.	Ref.	Ref.
	Continuously Employed	0.059 (-0.102,0.22)	0.08 (-0.081,0.241)	-0.023 (-0.184,0.138)	-0.163 (-0.324,-0.002)*	-0.141 (-0.302,0.02)
Occupational Physical Activity strenuousness	Low Intensity	Ref.	Ref.	Ref.	Ref.	Ref.
	Intermediate Intensity	-0.07 (-0.325,0.185)	-0.05 (-0.305,0.206)	0.093 (-0.164,0.35)	0.335 (0.084,0.587)*	0.183 (-0.072,0.439)
	High Intensity	0.016 (-0.235,0.268)	0.053 (-0.199,0.305)	0.157 (-0.097,0.41)	0.166 (-0.082,0.415)	-0.048 (-0.3,0.204)
Working hours per week	less than 31 hours	Ref.	Ref.	Ref.	Ref.	Ref.
	31-40 hours	0.311 (-0.045,0.667)	0.321 (-0.036,0.677)	-0.108 (-0.469,0.253)	0.011 (-0.345,0.366)	-0.022 (-0.382,0.337)
	more than 40 hours	0.513 (0.129,0.898)*	0.524 (0.139,0.909)*	0.018 (-0.372,0.407)	0.14 (-0.243,0.524)	0.011 (-0.376,0.399)
Working shift	Day job	Ref.	Ref.	Ref.	Ref.	Ref.
	Evening/shift	0.113 (-0.095,0.322)	0.131 (-0.079,0.341)	0.122 (-0.089,0.333)	0.18 (-0.028,0.387)	0.217 (0.008,0.426)*
Work attitude		-0.001 (-0.024,0.022)	-0.003 (-0.026,0.02)	-0.001 (-0.024,0.022)	-0.01 (-0.033,0.013)	-0.013 (-0.036,0.009)
Work engagement		0.001 (-0.007,0.009)	0.001 (-0.007,0.009)	0.002 (-0.006,0.01)	-0.012 (-0.02,-0.004)*	-0.009 (-0.017,-0.001)*
	No	Ref.	Ref.	Ref.	Ref.	Ref.
Job security	Yes	0.254 (0.022,0.485)*	0.26 (0.028,0.492)*	0.182 (-0.052,0.416)	-0.027 (-0.258,0.204)	-0.072 (-0.305,0.16)

*Relevant confidence intervals.

Supplementary Table 5. Standardized adjusted linear regression coefficient estimates with 95% confidence interval for the epigenetic age and pace of aging.

		HorvathAA Estimates (95% CI)	HannumAA Estimates (95% CI)	PhenoAgeAA Estimates (95% CI)	GrimAgeAA Estimates (95% CI)	DunedinPoAm Estimates (95% CI)
Job Status	permanent	Ref.	Ref.	Ref.	Ref.	Ref.
	temporary	-1.127 (-2.422,0.168)	-0.694 (-1.661,0.272)	-0.505 (-2.017,1.008)	0.631 (-0.341,1.602)	0.005 (-0.013,0.023)
Employer	unemployed	0.063 (-1.325,1.451)	-0.006 (-1.042,1.03)	0.817 (-0.804,2.438)	0.602 (-0.439,1.644)	0.004 (-0.015,0.023)
	private employer	Ref.	Ref.	Ref.	Ref.	Ref.
	state/municipality	0.563 (-0.42,1.546)	0.297 (-0.441,1.034)	0.415 (-0.736,1.567)	0.25 (-0.454,0.953)	0.003 (-0.01,0.017)
Occupational group	Blue collars	Ref.	Ref.	Ref.	Ref.	Ref.
	White collars	-0.509 (-1.292,0.274)	-0.318 (-0.905,0.268)	-0.257 (-1.166,0.653)	0.683 (0.102,1.264)*	0.002 (-0.008,0.013)
Job control		0.317 (-0.149,0.782)	0.169 (-0.179,0.517)	-0.186 (-0.73,0.359)	-0.154 (-0.508,0.199)	-0.001 (-0.007,0.006)
Job demand		0.086 (-0.446,0.618)	0.118 (-0.279,0.514)	-0.483 (-1.103,0.137)	-0.018 (-0.42,0.384)	-0.004 (- 0.012,0.003)
Job strain Linear		-0.41 (-1.234,0.415)	-0.154 (-0.769,0.462)	-0.354 (-1.314,0.605)	0.157 (-0.465,0.779)	-0.005 (-0.017,0.006)
Job strain	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.

	active work	0.217 (-0.724,1.158)	0.271 (-0.431,0.973)	-1.301 (-2.391,-0.212)*	0.254 (-0.454,0.963)	-0.005 (-0.018,0.009)
	passive work	0.177 (-0.856,1.21)	0.223 (-0.547,0.994)	-0.666 (-1.862,0.53)	0.518 (-0.26,1.296)	0.005 (-0.01,0.019)
	high strain	-0.189 (-1.256,0.877)	-0.037 (-0.832,0.759)	-0.527 (-1.761,0.708)	0.526 (-0.277,1.329)	0 (-0.015,0.015)
Job strain quotient		-0.843 (-2.066,0.379)	-0.414 (-1.328,0.499)	-0.568 (-1.992,0.855)	0.234 (-0.69,1.157)	-0.009 (-0.026,0.008)
	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.
Job strain tertile	Intermediate strain	-0.328 (-1.194,0.538)	-0.101 (-0.748,0.545)	-0.942 (-1.946,0.062)	0.31 (-0.343,0.963)	0.001 (-0.012,0.013)
	high strain	-0.226 (-1.109,0.657)	-0.032 (-0.691,0.627)	-0.283 (- 1.307,0.741)	0.133 (-0.532,0.799)	-0.002 (-0.014,0.011)
Effort		-0.582 (-1.098,-0.066)*	-0.44 (-0.825,-0.054)*	-0.323 (-0.932,0.285)	0.013 (-0.381,0.408)	0.001 (-0.006,0.008)
Reward		0.115 (-0.53,0.76)	0.212 (-0.27,0.693)	0.049 (-0.705,0.803)	0.095 (-0.391,0.58)	-0.005 (-0.014,0.004)
Effort-Reward Imbalance		-0.734 (-1.598,0.13)	-0.61 (-1.255,0.036)	-0.38 (- 1.394,0.634)	0.021 (-0.632,0.673)	0.004 (-0.008,0.016)
Overcommitment		0.097 (-0.448,0.641)	0.065 (-0.343,0.472)	0.24 (-0.396,0.876)	-0.029 (-0.443,0.386)	0 (-0.008,0.008)
	At least temporary unemployed	Ref.	Ref.	Ref.	Ref.	Ref.
Work history	Continuously Employed	0.205 (-0.46,0.87)	0.232 (-0.263,0.728)	-0.064 (-0.838,0.709)	-0.406 (-0.905,0.092)	-0.005 (-0.014,0.005)
Occupational Physical Activity	Low Intensity	Ref.	Ref.	Ref.	Ref.	Ref.
	Intermediate Intensity	-0.357 (-1.42,0.705)	-0.176 (-0.971,0.618)	0.472 (-0.775,1.719)	0.638 (-0.169,1.445)	0.002 (-0.013,0.017)
strenuousness	High Intensity	-0.345 (-1.406,0.715)	-0.087 (-0.88,0.705)	0.623 (-0.621,1.867)	0.017 (-0.787,0.822)	-0.013 (-0.028,0.002)
	less than 31 hours	Ref.	Ref.	Ref.	Ref.	Ref.
Working hours per week	31-40 hours	1.511 (-0.001,3.022)*	1.171 (0.042,2.3)*	-0.446 (-2.227,1.336)	-0.629 (-1.783,0.526)	-0.006 (-0.028,0.015)
	more than 40 hours	2.009 (0.368,3.651)*	1.547 (0.321,2.772)*	0.197 (-1.737,2.132)	-0.657 (-1.911,0.597)	-0.005 (-0.028,0.018)
	Day job	Ref.	Ref.	Ref.	Ref.	Ref.
Working shift	Evening/shift	0.346 (-0.54,1.232)	0.342 (-0.322,1.005)	0.481 (-0.562,1.524)	0.176 (-0.5,0.852)	0.007 (-0.005,0.02)
Work attitude		0.025 (-0.073,0.123)	0.01 (-0.063,0.083)	-0.006 (- 0.12,0.109)	0.04 (-0.033,0.112)	0 (-0.002,0.001)
Work engagement		0.012 (-0.022,0.046)	0.008 (-0.018,0.034)	0.01 (-0.03,0.05)	-0.01 (-0.036,0.016)	0 (-0.001,0)
	No	Ref.	Ref.	Ref.	Ref.	Ref.
Job security	Yes	-1.115 (-2.071,-0.16)*	-0.841 (-1.555,-0.127)*	-1.015 (-2.138,0.109)	0.01 (-0.72,0.74)	0.004 (-0.009,0.018)

Fully adjusted models for: BMI, alcohol consumption, educational level, leisure-time physical activity and smoking.

*Relevant confidence intervals.

Supplementary Table 6. Women adjusted linear regression coefficient estimates with 95% confidence interval for the epigenetic age and pace of aging.

		HorvathAA	HannumAA	PhenoAgeAA	GrimAgeAA	DunedinPoAm
		Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)
Job Status	permanent	Ref.	Ref.	Ref.	Ref.	Ref.
	temporary	-1.484	-0.998	-0.889	0.762	0.002
	unemployed	(-2.922,-0.047) *	(-2.079,0.082)	(-2.592,0.813)	(-0.298,1.822)	(-0.018,0.023)
Employer	private employer	0.012	-0.128	1.125	1.463	0.009
	state/municipality	(-2.01,2.034)	(-1.648,1.392)	(-1.27,3.52)	(-0.028,2.955)	(-0.019,0.038)
Occupational group	Blue collars	Ref.	Ref.	Ref.	Ref.	Ref.
	White collars	0.557	0.447	0.577	-0.306	0.007
Job control		(-0.482,1.596)	(-0.332,1.225)	(-0.622,1.776)	(-1.063,0.451)	(-0.007,0.022)
		0.413	0.297	-0.079	-0.285	0.005
Job demand		(-0.219,1.045)	(-0.177,0.77)	(-0.818,0.659)	(-0.749,0.178)	(-0.004,0.014)
		0.203	0.262	-0.377	0.271	0.002
Job strain Linear		(-0.549,0.954)	(-0.299,0.824)	(-1.251,0.498)	(-0.279,0.82)	(-0.008,0.013)
		-0.398	-0.185 (-	-0.435	0.603	-0.006
Job strain		(-1.485,0.689)	0.999,0.629)	(-1.694,0.824)	(-0.184,1.389)	(-0.022,0.009)
	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.
	active work	0.411	0.393	-1.414	0.501	0.004
Job strain		(-0.964,1.786)	(-0.634,1.421)	(-3.006,0.179)	(-0.499,1.5)	(-0.015,0.023)
	passive work	0.38	0.298	-0.915	0.316	-0.003
Job strain quotient		(-1.156,1.917)	(-0.85,1.446)	(-2.694,0.864)	(-0.801,1.433)	(-0.025,0.019)
	high strain	-0.611	-0.502	-1.188	0.754	-0.003
Job strain tertile		(-2.006,0.784)	(-1.544,0.54)	(-2.803,0.427)	(-0.26,1.768)	(-0.022,0.017)
	Low strain	-1.009	-0.525	-0.727	0.728	-0.014
Job strain tertile		(-2.579,0.561)	(-1.701,0.652)	(-2.549,1.094)	(-0.412,1.867)	(-0.036,0.008)
	Intermediate strain	Ref.	Ref.	Ref.	Ref.	Ref.
	high strain	0.055	0.198	-0.958	0.216	-0.009
Effort		(-1.198,1.309)	(-0.74,1.136)	(-2.407,0.491)	(-0.692,1.124)	(-0.026,0.009)
		-0.21	-0.148	-0.567	0.541	-0.007
Reward		(-1.397,0.977)	(-1.036,0.74)	(-1.939,0.805)	(-0.319,1.401)	(-0.023,0.01)
		-0.985	-0.679	-0.737	-0.362	-0.006
Effort-Reward Imbalance		(-1.67,-0.3) *	(-1.193,-0.165) *	(-1.547,0.072)	(-0.874,0.149)	(-0.016,0.004)
		-0.007	0.06	-0.223	0.596	-0.003
Overcommitment		(-0.881,0.866)	(-0.596,0.715)	(-1.243,0.796)	(-0.03,1.223)	(-0.015,0.01)
		-1.292	-0.915	-0.669	-0.769	-0.007
Work history		(-2.486,-0.099) *	(-1.812,-0.019) *	(-2.075,0.737)	(-1.635,0.096)	(-0.024,0.009)
	At least temporary unemployed	-0.482	-0.339	-0.193	-0.331	-0.006
	Continuously Employed	(-1.189,0.224)	(-0.868,0.191)	(-1.019,0.632)	(-0.853,0.192)	(-0.016,0.005)
Occupational Physical Activity		Ref.	Ref.	Ref.	Ref.	Ref.
	Low Intensity	0.201	0.38	0.169	-0.659 (-	-0.004
	Intermediate Intensity	(-0.685,1.087)	(-0.283,1.043)	(-0.87,1.208)	1.309,-0.009) *	(-0.016,0.009)
Occupational Physical Activity		Ref.	Ref.	Ref.	Ref.	Ref.
	High Intensity	-0.361	-0.153	0.481	-0.12	-0.006
Occupational Physical Activity		(-1.82,1.098)	(-1.243,0.937)	(-1.227,2.189)	(-1.202,0.963)	(-0.027,0.015)
		1.3	1.248	1.519	0.127	-0.01
		(-0.253,2.853)	(0.088,2.408) *	(-0.299,3.337)	(-1.025,1.279)	(-0.033,0.012)

	less than 31 hours	Ref.	Ref.	Ref.	Ref.	Ref.
Working hours per week	31-40 hours	1.509 (-0.245,3.262)	1.345 (0.034,2.655) *	-0.558 (-2.613,1.497)	-0.681 (-1.984,0.623)	-0.013 (-0.038,0.011)
	more than 40 hours	2.483 (0.421,4.546) *	2.075 (0.534,3.616) *	1.17 (-1.246,3.587)	-0.393 (-1.926,1.141)	0.003 (-0.027,0.032)
	Day job	Ref.	Ref.	Ref.	Ref.	Ref.
Working shift	Evening/shift	0.385 (-0.819,1.588)	0.243 (-0.662,1.148)	0.494 (-0.92,1.909)	-0.077 (-0.972,0.817)	-0.005 (-0.022,0.012)
	Work attitude	0.045 (-0.083,0.174)	0.033 (-0.064,0.129)	0.076 (-0.075,0.228)	0.002 (-0.091,0.095)	0 (-0.002,0.002)
Work engagement		0.01 (-0.037,0.056)	0.01 (-0.025,0.044)	0.04 (-0.015,0.094)	-0.008 (-0.043,0.027)	0 (-0.001,0.001)
Job security	No	Ref.	Ref.	Ref.	Ref.	Ref.
	Yes	1.06 (-0.274,2.393)	0.617 (-0.384,1.617)	0.535 (-1.031,2.1)	-0.668 (-1.653,0.317)	-0.012 (-0.031,0.007)

Fully adjusted models for: BMI, alcohol consumption, educational level, leisure-time physical activity and smoking.

*Relevant confidence intervals.

Supplementary Table 7. Men adjusted linear regression coefficient estimates with 95% confidence interval for the epigenetic age and pace of aging.

		HorvathAA	HannumAA	PhenoAgeAA	GrimAgeAA	DunedinPoAm
		Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)	Estimates (95% CI)
Job Status	permanent	Ref.	Ref.	Ref.	Ref.	Ref.
	temporary	0.119 (-2.855,3.093)	0.354 (-1.849,2.558)	0.786 (-2.598,4.169)	0.031 (-2.222,2.285)	0.019 (-0.022,0.059)
	unemployed	-0.225 (-2.213,1.763)	-0.11 (-1.584,1.363)	0.276 (-1.986,2.538)	-0.264 (-1.771,1.243)	-0.003 (-0.03,0.024)
Employer	private employer	Ref.	Ref.	Ref.	Ref.	Ref.
	state/municipality	-0.581 (-1.878,0.716)	-0.246 (-1.217,0.724)	-0.232 (-1.732,1.269)	-0.451 (-1.43,0.528)	-0.005 (-0.023,0.013)
Occupational group	Blue collars	Ref.	Ref.	Ref.	Ref.	Ref.
	White collars	0.433 (-0.784,1.65)	0.118 (-0.794,1.03)	-0.283 (-1.705,1.139)	-1.245 (-2.164,-0.325) *	-0.015 (-0.032,0.001)
Job control		0.175 (-0.535,0.885)	0.001 (-0.529,0.531)	-0.316 (-1.14,0.508)	-0.029 (-0.586,0.527)	-0.007 (-0.017,0.003)
Job demand		-0.149 (-0.932,0.633)	-0.106 (-0.69,0.478)	-0.716 (-1.619,0.187)	-0.347 (-0.957,0.264)	-0.012 (-0.023,-0.001) *
Job strain Linear		-0.511 (-1.815,0.794)	-0.168 (-1.142,0.807)	-0.335 (-1.845,1.175)	-0.447 (-1.468,0.574)	-0.006 (-0.025,0.012)
Job strain	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.
	active work	-0.211 (-1.546,1.125)	-0.035 (-1.028,0.958)	-1.458 (-2.993,0.078)	-0.233 (-1.276,0.811)	-0.016 (-0.035,0.002)
	passive work	-0.095 (-1.526,1.336)	0.102 (-0.962,1.167)	-0.458 (-2.103,1.188)	0.625 (-0.493,1.744)	0.012 (-0.008,0.032)
Job strain quotient	high strain	0.965 (-0.873,2.803)	1.104 (-0.263,2.47)	0.212 (-1.9,2.325)	0.105 (-1.331,1.541)	0.004 (-0.021,0.03)
		-0.749 (-2.776,1.278)	-0.365 (-1.878,1.148)	-0.585 (-2.93,1.761)	-0.454 (-2.041,1.133)	-0.005 (-0.034,0.023)
Job strain tertile	Low strain	Ref.	Ref.	Ref.	Ref.	Ref.
	Intermediate strain	-0.813 (-2.053,0.427)	-0.476 (-1.401,0.448)	-0.866 (-2.3,0.569)	0.367 (-0.601,1.335)	0.009 (-0.008,0.027)
	high strain	-0.137 (-1.517,1.243)	0.25 (-0.779,1.279)	-0.011 (-1.608,1.585)	-0.586 (-1.664,0.491)	0 (-0.02,0.02)
Effort		-0.113 (-0.916,0.689)	-0.169 (-0.768,0.43)	0.253 (-0.682,1.188)	0.424 (-0.203,1.05)	0.011 (-0.001,0.022)

Reward		0.389 (-0.586,1.364)	0.462 (-0.264,1.187)	0.323 (-0.805,1.451)	-0.488 (-1.256,0.28)	-0.007 (-0.021,0.007)
Effort-Reward Imbalance		-0.283 (-1.565,0.998)	-0.377 (-1.331,0.578)	0.016 (-1.466,1.499)	0.765 (-0.242,1.771)	0.018 (-0.001,0.036)
Overcommitment		0.85 (-0.032,1.731)	0.575 (-0.086,1.237)	0.721 (-0.306,1.749)	0.3 (-0.394,0.994)	0.008 (-0.005,0.02)
Work history	At least temporary unemployed	Ref.	Ref.	Ref.	Ref.	Ref.
	Continuously Employed	0.258 (-0.803,1.319)	0.08 (-0.707,0.866)	-0.47 (-1.677,0.737)	-0.005 (-0.81,0.799)	-0.006 (-0.02,0.009)
	Low Intensity	Ref.	Ref.	Ref.	Ref.	Ref.
Occupational Physical Activity	Intermediate Intensity	-0.258 (-1.859,1.343)	-0.132 (-1.33,1.066)	0.764 (-1.122,2.65)	1.651 (0.4,2.901) *	0.013 (-0.01,0.036)
	High Intensity	-1.775 (-3.283,-0.267) *	-1.22 (-2.348,-0.092) *	0.089 (-1.688,1.865)	0.378 (-0.8,1.556)	-0.012 (-0.034,0.009)
	less than 31 hours	Ref.	Ref.	Ref.	Ref.	Ref.
Working hours per week	31-40 hours	1.854 (-1.247,4.955)	0.903 (-1.416,3.223)	-0.512 (-4.139,3.115)	-0.497 (-2.931,1.938)	0.015 (-0.029,0.058)
	more than 40 hours	2.095 (-1.089,5.278)	1.072 (-1.309,3.454)	-0.609 (-4.332,3.115)	-0.884 (-3.383,1.616)	0.005 (-0.04,0.05)
	Day job	Ref.	Ref.	Ref.	Ref.	Ref.
Working shift	Evening/shift	0.129 (-1.211,1.468)	0.339 (-0.661,1.339)	0.229 (-1.333,1.792)	0.446 (-0.598,1.491)	0.021 (0.002,0.039) *
		-0.014 (-0.172,0.144)	-0.033 (-0.15,0.084)	-0.144 (-0.323,0.034)	0.073 (-0.046,0.192)	-0.001 (-0.003,0.001)
Work attitude		0.012 (-0.04,0.064)	0.005 (-0.034,0.043)	-0.021 (-0.081,0.04)	-0.015 (-0.056,0.025)	-0.001 (-0.001,0)
Work engagement		Ref.	Ref.	Ref.	Ref.	Ref.
Job security	No	1.293 (-0.13,2.716)	1.132 (0.072,2.191) *	1.407 (-0.253,3.067)	0.69 (-0.429,1.809)	0.005 (-0.015,0.026)
	Yes					

Fully adjusted models for: BMI, alcohol consumption, educational level, leisure-time physical activity and smoking.

*Relevant confidence intervals.