

0.368

0.607

Effect

1.649

 $\mathbf{A}^{0.0}$

0.1 -

0.2 -

Standard Error

0.3 -

0.4 -

S

0

...

0.607

Power 20 - 30

Power 30 - 40

0.368

Power 0 – 10

Power 10 - 20

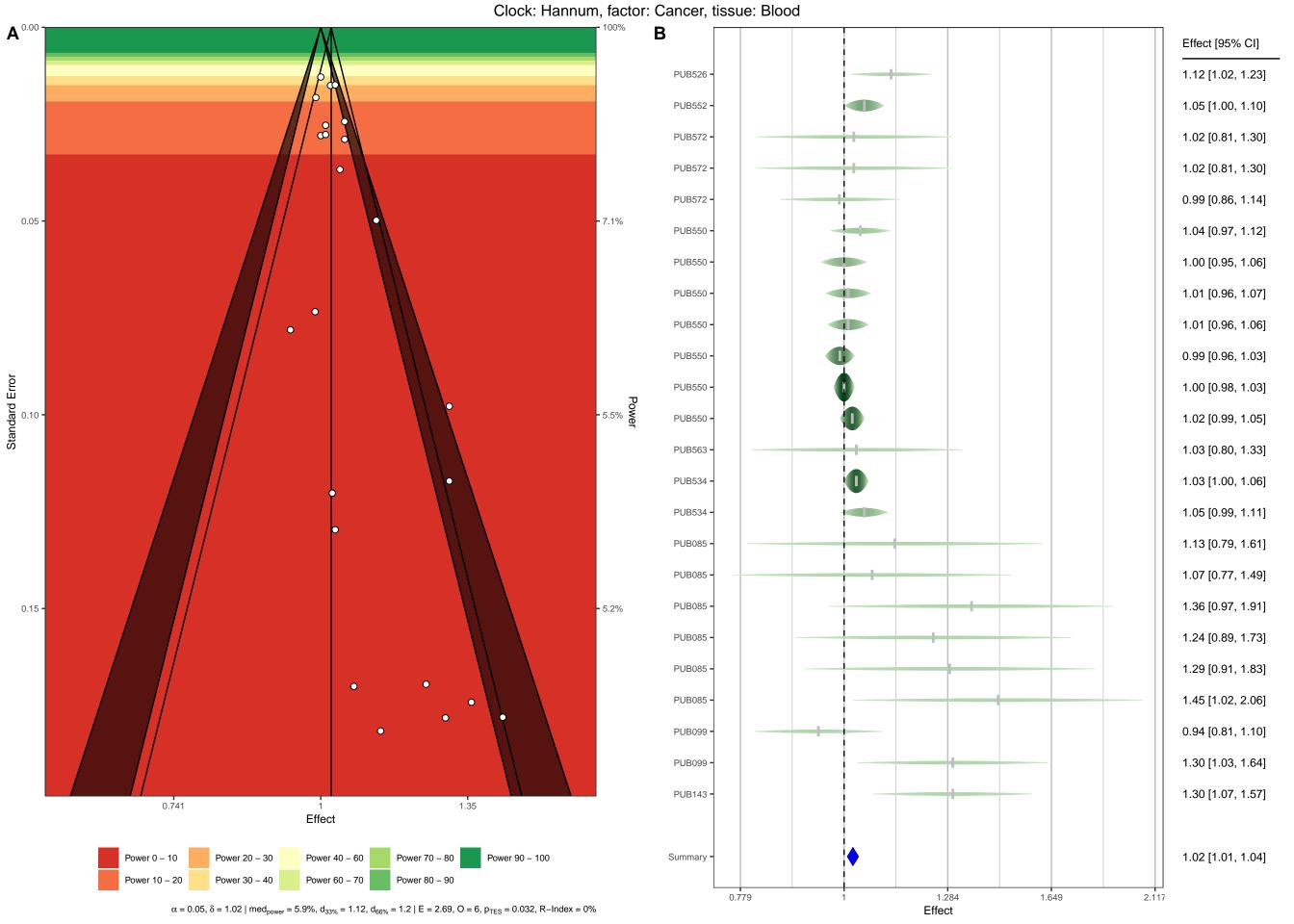
00

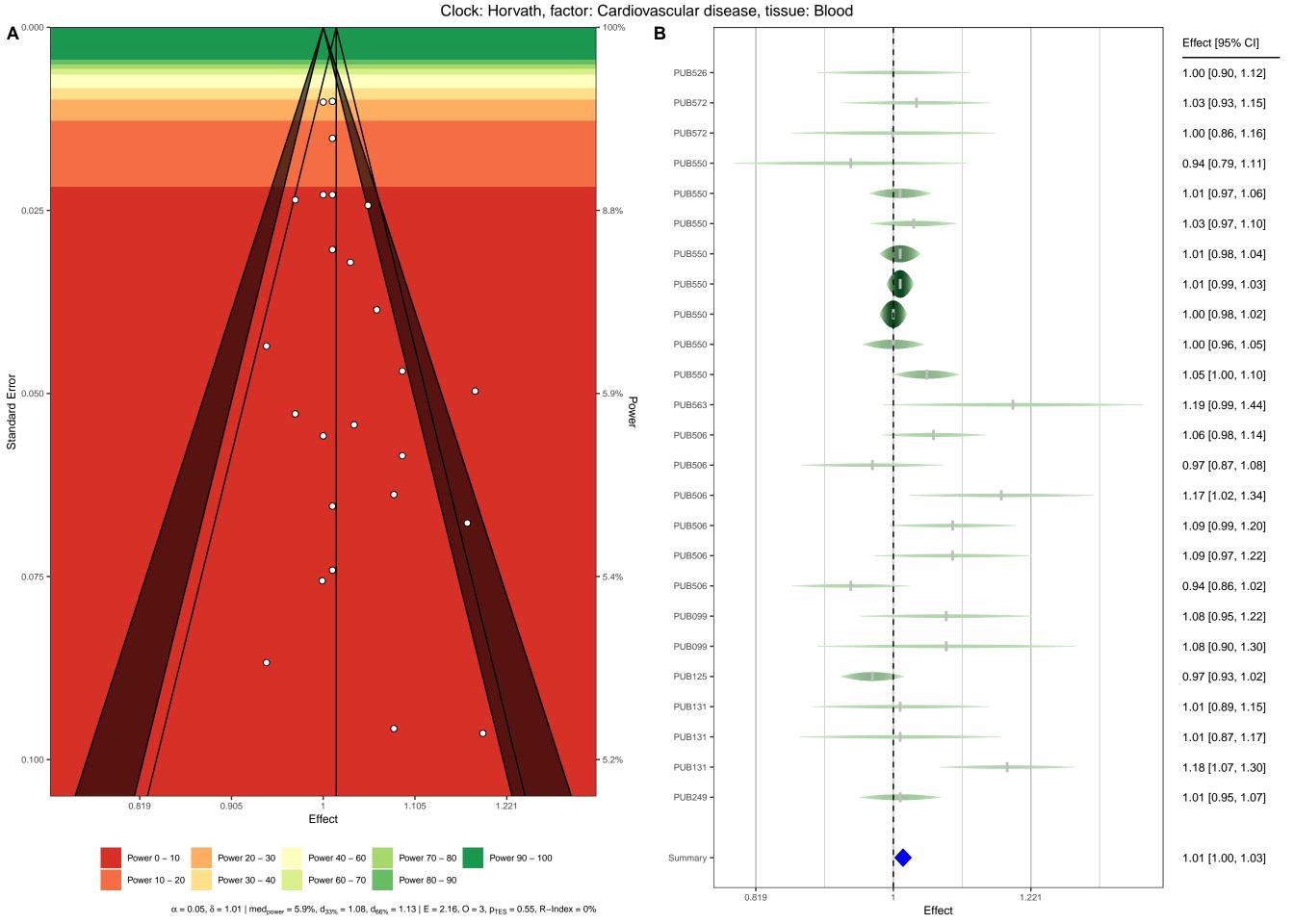
Effect

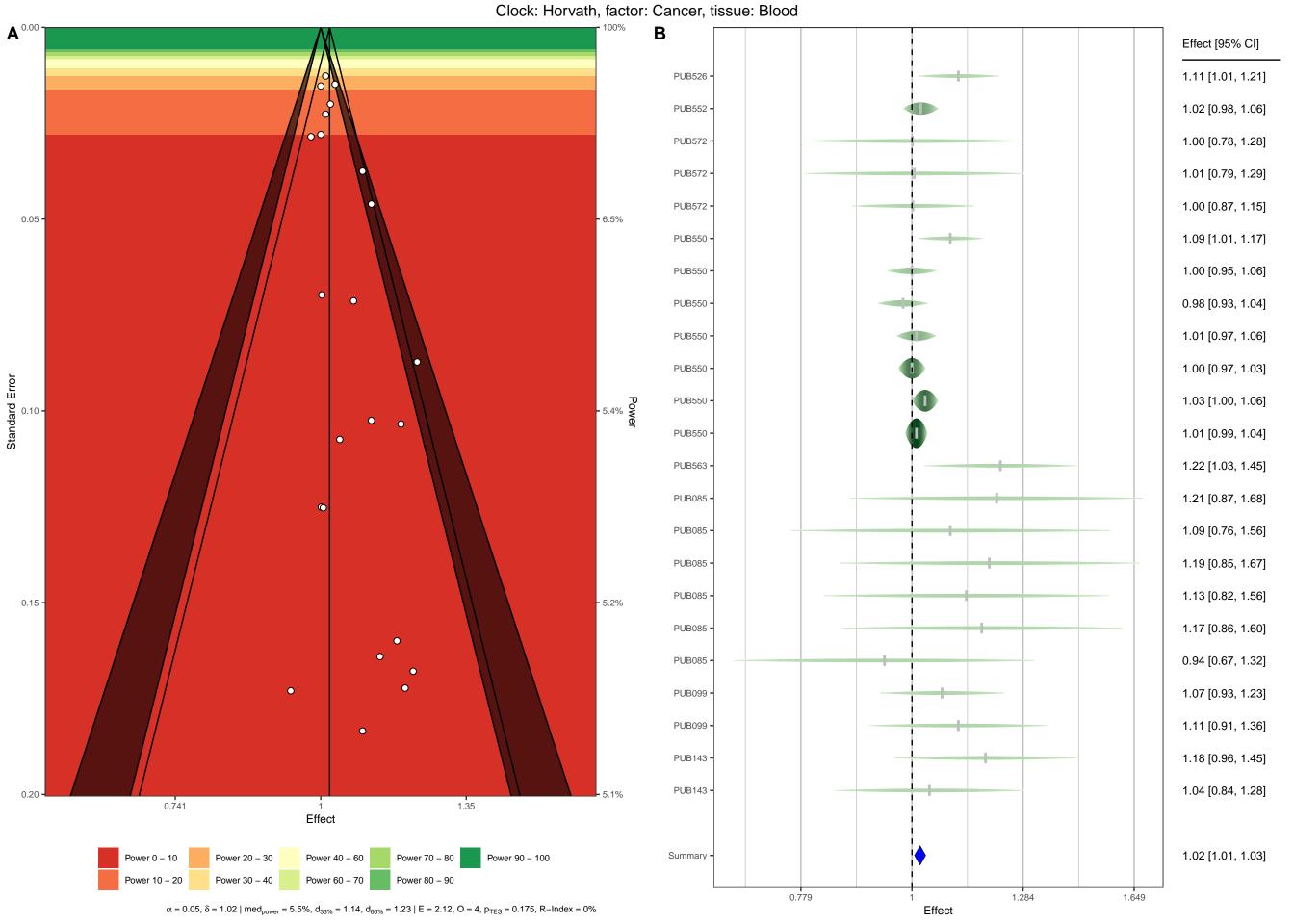
Power 40 - 60

Power 60 - 70

 $\alpha = 0.05, \, \delta = 1.02 \mid \text{med}_{\text{power}} = 5.5\%, \, d_{33\%} = 1.14, \, d_{66\%} = 1.22 \mid \text{E} = 7.28, \, \text{O} = 8, \, p_{\text{TES}} = 0.779, \, \text{R-Index} = 0\%$

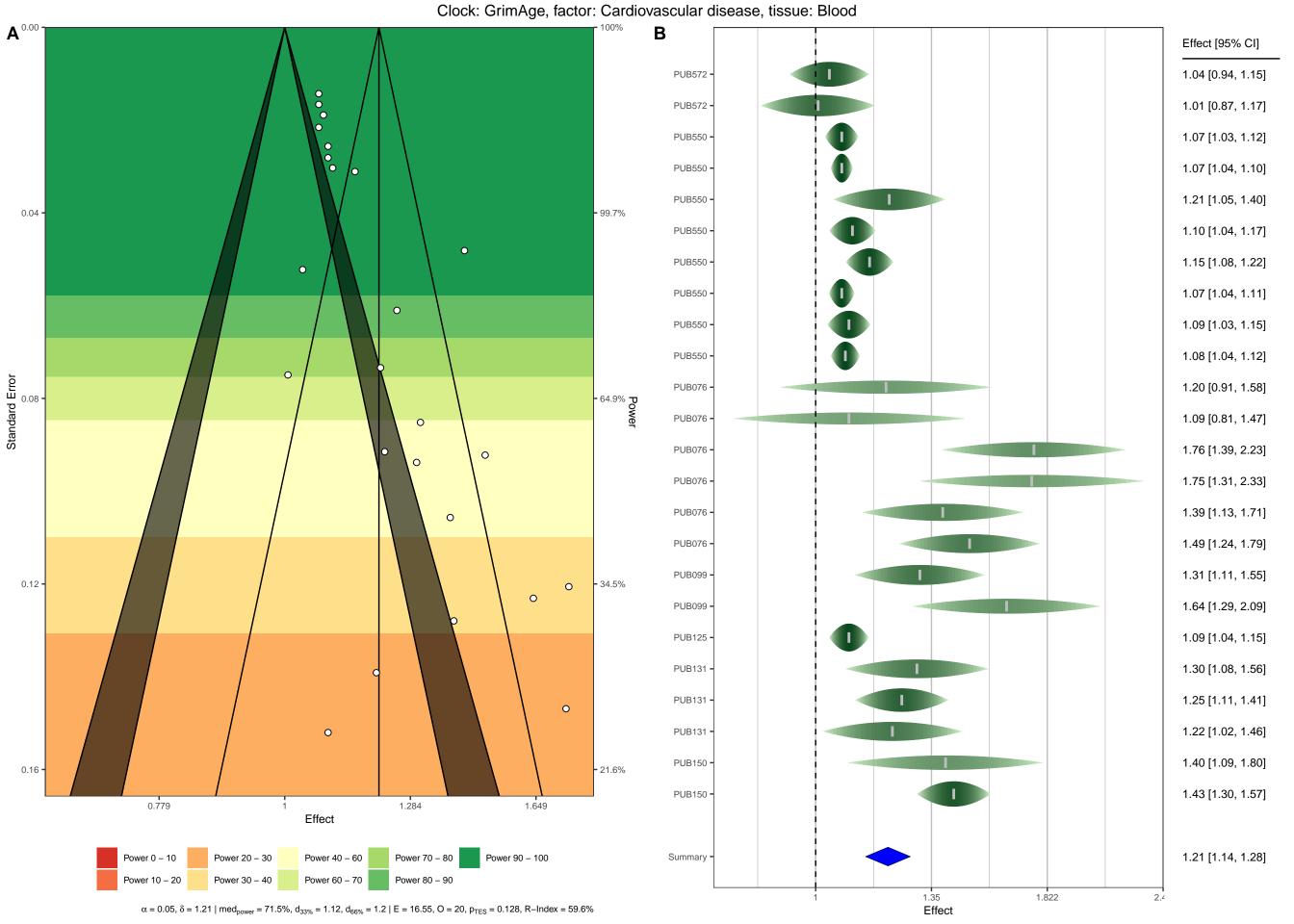




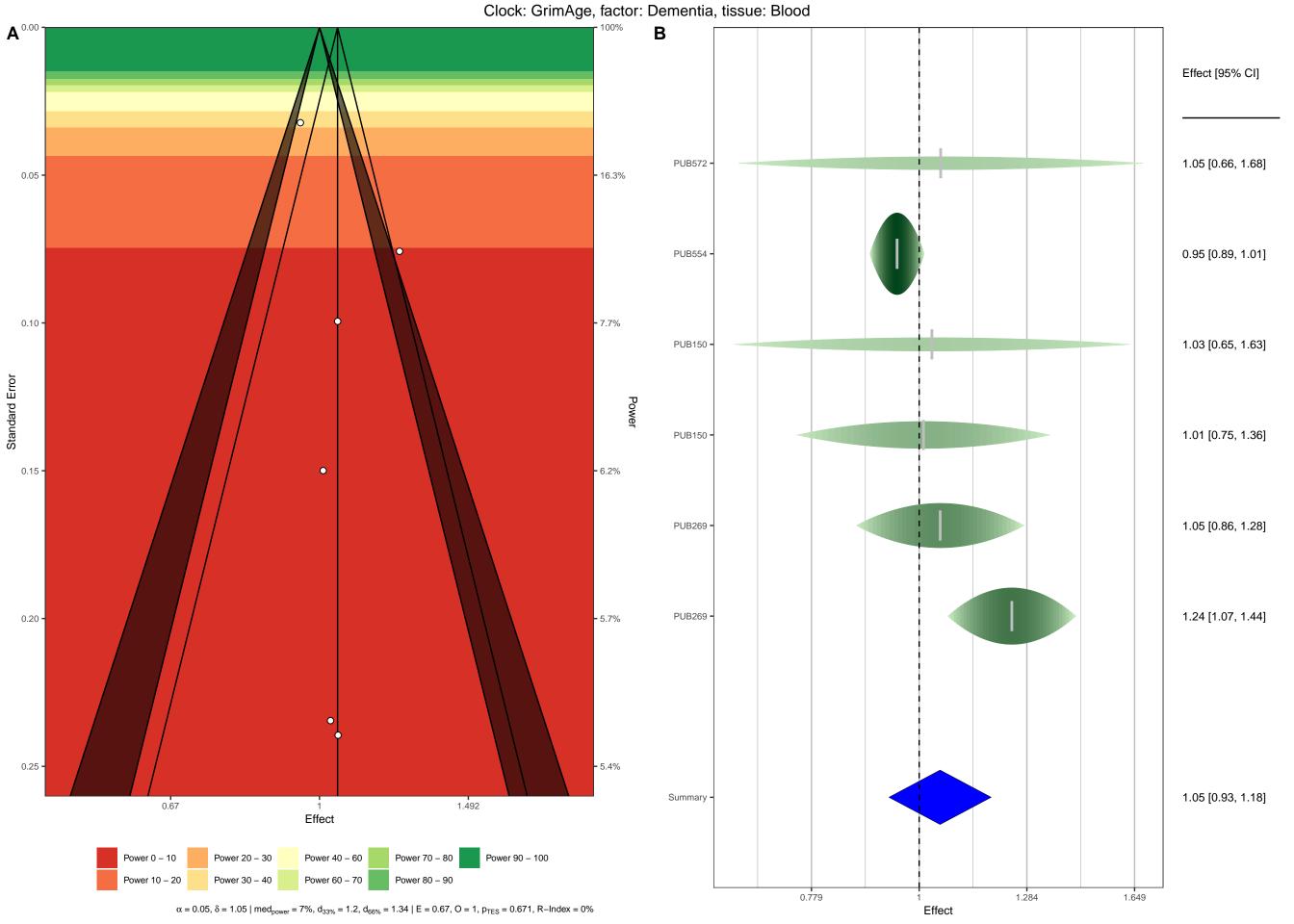


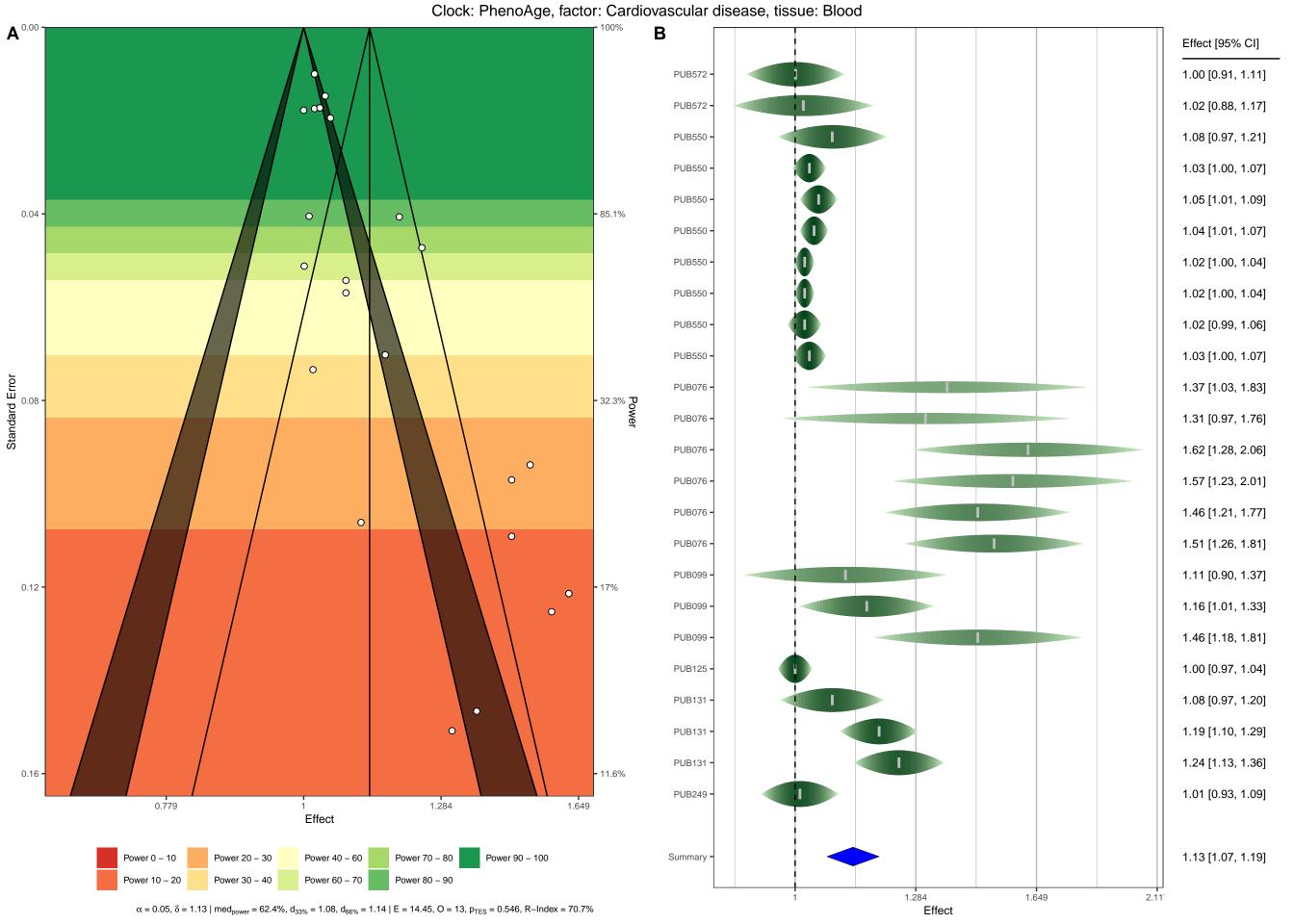
Clock: GrimAge, factor: Mortality, tissue: Blood **A** 0.0 В 1.07 [0.69, 1.66] PUB572 1.05 [0.82, 1.34] PUB572 -PUB550 -1.09 [1.01, 1.17] PUB550 -0000000 1.11 [1.05, 1.17] 1.08 [1.04, 1.13] PUB550 -PUB550 -1.12 [1.06, 1.18] PUB550 -1.08 [1.05, 1.12] PUB550 -1.07 [1.04, 1.11] 1.10 [1.07, 1.13] PUB550 -1.14 [1.11, 1.17] PUB550 -87.5% 0.1 -PUB550 -1.11 [1.09, 1.14] 1.81 [1.58, 2.07] PUB029 -0 1.50 [1.31, 1.72] 0 PUB076 -PUB076 -1.39 [1.18, 1.63] PUB076 -1.68 [1.48, 1.91 PUB076 -1.56 [1.34, 1.81 0 1.60 [1.46, 1.75] PUB076 -1.47 [1.32, 1.64] 1.56 [1.24, 1.96] PUB076 -PUB099 -2.76 [1.77, 4.30] 1.16 [0.57, 2.38] 1.37 [0.74, 2.54] 1.39 [0.74, 2.62] PUB099 -PUB107 -0.2 34.3% PUB107 -PUB107 -0 0 0 PUB107 -1.61 0.82, 3.16 0 2.20 [0.85, 5.68] PUB107 0 PUB107 -1.83 [0.88, 3.80] 0 2.58 [0.91, 7.32] PUB107 -PUB107 -2.59 [0.91, 7.38] Standard Error PUB107 -1.40 [0.71, 2.76] PUB107 -1.34 [0.78, 2.31 0 Power - 17.9% er 1.52 [0.79, 2.93] PUB107 1.60 [0.86, 2.97] 1.65 [0.95, 2.86] PUB107 PUB107 1.59 [0.97, 2.60] 0 PUB107 PUB107 1.59 [0.97, 2.60] 0 PUB107 1.29 [0.84, 1.99] 1.42 [0.87, 2.31] 0 PUB107 PUB107 -1.45 [0.89, 2.36] PUB107 -1.49 [0.93, 2.38] 0 PUB107 -1.51 [1.00, 2.28] 0 PUB107 -1.86 [1.07, 3.22] 1.50 [1.02, 2.20] PUB107 -PUB107 -1.52 [1.03, 2.25] 0.4 -12.2% PUB107 -1.59 [1.07, 2.37] PUB107 -1.24 [1.02, 1.51 PUB107 -1.27 [1.05, 1.54] PUB107 -1.28 [1.05, 1.56] PUB107 -1.31 [1.08, 1.59] PUB107 1.29 [1.09, 1.52] PUB107 -1.31 [1.13, 1.52] 1.31 [1.13, 1.52] PUB107 -1.31 [1.13, 1.52] 1.10 [0.81, 1.49] 2.05 [1.45, 2.90] PUB107 · PUB136 -0.5 -PUB169 9.5% 1.91 [1.23, 2.96] PUB169 -PUB241 1.50 1.01, 2.23 PUB241 2.15 [1.82, 2.54] 6 2.32 [1.82, 2.96] PUB241 1.05 [1.01, 1.09] PUB298 · 1.10 [1.06, 1.14] PUB298 · PUB298 · 1.08 [1.04, 1.12] PUB331 1.33 [1.20, 1.47] 1.41 [1.18, 1.68] PUB331 0.368 2.718 1.35 [1.19, 1.53] PUB331 1.72 [1.35, 2.19] Effect PUB331 · 1.74 [1.57, 1.94] PUB331 1.44 [1.31, 1.58] PUB331 • PUB338 -1.10 [1.07, 1.13] Power 90 – 100 Power 0 - 10 Power 20 - 30 Power 40 - 60 Power 70 - 80 1.36 [1.29, 1.44] Summary Power 10 - 20 Power 30 - 40 Power 60 - 70 Power 80 - 90 2.718 7.389 $\alpha = 0.05, \, \delta = 1.36 \mid med_{power} = 81.6\%, \, d_{33\%} = 1.17, \, d_{66\%} = 1.3 \mid E = 43.17, \, O = 46, \, p_{TES} = 0.476, \, R-Index = 95.6\%$ Effect

Clock: GrimAge, factor: Cancer, tissue: Blood **A** 0.0 В Effect [95% CI] 1.02 [0.79, 1.30] PUB572 1.01 [0.79, 1.30] PUB572 1.04 [0.92, 1.18] PUB572 09900000 PUB574 1.03 [0.95, 1.12] PUB550 1.09 [1.00, 1.18] PUB550 -1.07 [0.99, 1.15] 0 PUB550 -1.01 [0.95, 1.08] 0 PUB550 -1.01 [0.96, 1.07] 0 0 PUB550 -1.03 [0.98, 1.08] 0 PUB550 · 1.08 [1.04, 1.12] 0 0.1 29% 0 0 PUB550 -1.09 [1.06, 1.13] 0 PUB076 -1.56 [1.23, 1.98] PUB076 -1.32 [0.95, 1.83] 0 PUB076 -1.49 [1.18, 1.89] PUB076 -1.34 [1.01, 1.78] 0 Standard Error 1.33 [1.08, 1.64] PUB076 -Power 1.52 [1.29, 1.80] PUB076 -0 PUB099 -1.02 [0.84, 1.24] PUB099 1.84 [1.32, 2.57] PUB143 1.40 [1.07, 1.84] PUB150 · 1.10 [0.93, 1.31] 10.8% 0.2 -1.11 [0.74, 1.67] 0 PUB150 -PUB150 -1.19 [0.98, 1.44] 1.03 [0.84, 1.27] PUB150 -1.11 [0.89, 1.39] PUB150 -PUB150 -1.54 [1.36, 1.74] PUB274 0.67 [0.48, 0.93] PUB274 0.45 [0.25, 0.80] 0.89 [0.73, 1.09] PUB274 · PUB274 -0.89 [0.69, 1.15] PUB274 1.15 [1.05, 1.26] 1.12 [0.96, 1.30] PUB274 0.3 -**-** 7.6% 2.62 [2.21, 3.11] PUB274 -PUB274 -1.74 [1.11, 2.73] 0.83 [0.60, 1.15] PUB274 1.649 2.718 0.607 Effect PUB274 1.09 [0.81, 1.46] Power 0 – 10 Power 20 - 30 Power 40 - 60 Power 70 - 80 Power 90 - 100 1.15 [1.06, 1.25] Summary · Power 10 – 20 Power 30 - 40 Power 60 - 70 Power 80 - 90 1.649 0.223 0.368 0.607 2.718 $\alpha = 0.05,\, \delta = 1.15 \mid med_{power} = 27\%,\, d_{33\%} = 1.17,\, d_{66\%} = 1.28 \mid E = 15.31,\, O = 16,\, p_{TES} = 0.817,\, R-Index = 9.6\%$ Effect



Clock: PhenoAge, factor: Cancer, tissue: Blood $\mathbf{A}^{0.00}$ В Effect [95% CI] 1.03 [0.81, 1.31] PUB572 -1.02 [0.80, 1.30] PUB572 • PUB572 • 1.01 [0.88, 1.16] PUB550 -1.03 [0.98, 1.08] PUB550 1.03 [0.99, 1.08] 1.01 [0.97, 1.06] PUB550 -PUB550 1.02 [0.99, 1.06] 0.05 -**-** 8.9% 0.98 [0.96, 1.01] PUB550 -PUB550 -1.03 [1.01, 1.05] PUB550 -1.02 [1.00, 1.05] 1.38 [1.03, 1.84] PUB076 -PUB076 -1.36 [1.02, 1.81] PUB076 -1.18 [0.93, 1.50] PUB076 -1.11 [0.87, 1.42] Standard Error 1.21 [1.00, 1.46] PUB076 -Power PUB076 -1.26 [1.05, 1.52] PUB085 -1.15 [0.81, 1.63] 1.21 [0.86, 1.70] PUB085 PUB085 -1.10 [0.78, 1.55] PUB085 1.30 [0.92, 1.83] PUB085 1.10 [0.80, 1.52] 1.16 [0.84, 1.60] PUB085 -0.99 [0.85, 1.15] PUB099 -1.12 [0.90, 1.40] PUB143 -0.15 **--** 5.4% 0.73 [0.56, 0.95] PUB274 0.65 [0.49, 0.86] PUB274 1.02 [0.77, 1.36] PUB274 PUB274 0.97 [0.76, 1.23] PUB274 1.05 [0.96, 1.15] PUB274 1.11 [0.92, 1.34] 1.53 [1.23, 1.90] PUB274 • PUB274 1.37 [1.03, 1.82] PUB274 1.01 [0.80, 1.27] 0.741 1.35 Effect 1.24 [0.86, 1.78] PUB274 Power 20 - 30 Power 40 - 60 Power 70 - 80 Power 90 – 100 Power 0 - 10 1.03 [1.01, 1.05] Summary -Power 10 - 20 Power 30 - 40 Power 60 - 70 Power 80 - 90 0.67 1.492 $\alpha = 0.05, \, \delta = 1.03 \mid \text{med}_{\text{power}} = 5.6\%, \, d_{33\%} = 1.2, \, d_{66\%} = 1.34 \mid \text{E} = 4.71, \, \text{O} = 9, \, p_{\text{TES}} = 0.033, \, \text{R-Index} = 0\%$ Effect





Clock: PhenoAge, factor: Mortality, tissue: Blood В Effect [95% CI] 1.01 [0.97, 1.06] PUB595 PUB520 -1.08 [1.03, 1.13] PUB520 · 1.04 [1.01, 1.07] 9000000 PUB520 1.05 [1.02, 1.07] PUB520 1.03 [1.02, 1.05] PUB520 -1.03 [1.01, 1.05] PUB520 -1.03 [1.01, 1.04] 00 PUB520 · 1.05 [1.03, 1.07] 55.5% PUB520 1.06 [1.04, 1.08] 0 PUB520 • 1.05 [1.04, 1.06] PUB550 -0 1.08 [1.03, 1.13] PUB550 0 1.04 [1.01, 1.07] 000 0 PUB550 -1.05 [1.02, 1.08] 0 PUB550 -1.07 [1.05, 1.10] 00000 PUB550 -1.04 [1.03, 1.06] PUB550 · 1.04 [1.01, 1.07] **-** 18.3% PUB550 1.03 [1.02, 1.05] PUB550 -1.05 [1.03, 1.07] PUB550 -1.06 [1.04, 1.08] PUB538 1.17 [1.02, 1.34] Power PUB040 -1.63 [1.26, 2.10] PUB040 -1.74 [1.34, 2.26] 1.05 [1.02, 1.08] PUB040 -PUB040 1.06 [1.03, 1.09] PUB040 · 1.04 [1.01, 1.08] 10.8% PUB040 · 1.51 [1.10, 2.08] PUB043 -1.06 [0.96, 1.17] 0 PUB043 -1.02 [0.91, 1.15] PUB076 -1.39 [1.20, 1.62] PUB076 -1.35 [1.16, 1.57] 1.37 [1.20, 1.56] PUB076 -PUB076 1.29 [1.13, 1.48] PUB076 1.38 [1.25, 1.52] 8.2% PUB076 -1.32 [1.19, 1.46] PUB099 -1.17 [0.98, 1.40] PUB099 -1.41 [1.05, 1.90] PUB169 -1.13 [0.81, 1.57] PUB169 1.26 [0.92, 1.73] PUB241 1.31 [0.84, 2.05] PUB241 1.42 [1.23, 1.64] PUB241 1.42 [1.23, 1.64] PUB298 1.02 [1.00, 1.05] PUB298 -0.99 [0.97, 1.02] 1.492 0.67 Effect PUB298 -1.02 [1.00, 1.04] PUB338 -1.05 [1.03, 1.07] Power 20 - 30 Power 40 - 60 Power 70 – 80 Power 90 - 100 Power 0 - 10 1.11 [1.08, 1.15] Summary Power 10 - 20 Power 30 - 40 Power 60 - 70 Power 80 - 90 1.822 1.35 $\alpha = 0.05, \, \delta = 1.11 \, | \, \text{med}_{\text{power}} = 100\%, \, d_{33\%} = 1.03, \, d_{66\%} = 1.04 \, | \, E = 31.1, \, O = 36, \, p_{\text{TES}} = 0.114, \, R - Index = 100\%, \, d_{33\%} = 1.03, \, d_{66\%} = 1.04 \, | \, E = 31.1, \, O = 36, \, p_{\text{TES}} = 0.114, \, R - Index = 100\%, \, d_{33\%} = 1.03, \, d_{66\%} = 1.04 \, | \, E = 31.1, \, O = 36, \, p_{\text{TES}} = 0.114, \, R - Index = 100\%, \, d_{33\%} = 1.03, \, d_{66\%} = 1.04 \, | \, E = 31.1, \, O = 36, \, p_{\text{TES}} = 0.114, \, R - Index = 100\%, \, d_{33\%} = 1.03, \, d_{66\%} = 1.04 \, | \, E = 31.1, \, O = 36, \, p_{\text{TES}} = 0.114, \, R - Index = 100\%, \, d_{33\%} = 1.03, \, d_{66\%} = 1.04 \, | \, E = 31.1, \, O = 36, \, p_{\text{TES}} = 0.114, \, R - Index = 100\%, \, d_{33\%} = 1.03, \, d_{66\%} = 1.04 \, | \, E = 31.1, \, O = 36, \, p_{\text{TES}} = 0.114, \, R - Index = 100\%, \, d_{33\%} = 1.03, \, d_{33\%}$ Effect

A 0.00

0.05

0.10 -

0.15

0.20 -

0.25

Standard Error