RELATED PEER-REVIEWED SCIENTIFIC PUBLICATIONS - 2009

1. Alder J.K. et al. Short telomeres are a risk factor for idiopathic pulmonary fibrosis. Proc Natl Acad Sci USA 105: 13051-13056, 2008.
2. Alter, B. P. et al. Very short telomere length by flow FISH identifies patients with Dyskeratosis Congenita. Blood 110: 1439-1447, (2007).
3. Armanios, M. Y. et al. Telomerase mutations in families with idiopathic pulmonary fibrosis. N Engl J Med 356, 1317-26 (2007).
4. Aubert G & Lansdorp P. Telomeres and aging. Physiol Rev 82: 557-579, 2008.
5. Baerlocher, G.M. et al. Longitudinal data on telomere length in leukocytes from newborn baboons support a marked drop in stem cell turnover around 1 year of age. Aging Cell 6, 121-3 (2007).
6. Baerlocher, G.M. et al. Telomere length in paroxysmal nocturnal hemoglobinuria correlates with clone size. Exp Hematol 35: 1777-1781, 2007.
7. Baerlocher, G.M. et al. Flow cytometry and FISH to measure the average length of telomeres (flow FISH). Nat Protoc 1, 2365-76 (2006).
8. Berger C et al. Adoptive transfer of effector CD8+ T cells derived from central memory cells establishes persistent T cell memory in primates. J Clin Invest 118: 294-305, 2008.
9. Calado R.T. et al Constitutional hypomorphic telomerase mutations in patients with acute myeloid leukemia. Proc Natl Acad Sci USA 106: 1187-1192, 2009.
10. Calado R.T. et al. Mutations in the SBDS gene in acquired aplastic anemia. Blood 110: 1141-1146, 2007.
11. Decker M.L. Telomere length in Hutchinson-Gilford progeria syndrome. Mech Ageing Dev 130: 377-383, 2009.
12. Fogarty, P. F. et al. Late presentation of dyskeratosis congenita as apparently acquired aplastic anaemia due to mutations in telomerase RNA. Lancet 362, 1628-30 (2003).
13. Goldman F.D. et al. Characterization of primitive hematopoietic cells from patients with dyskeratosis congenita. Blood 111: 4523-4531, 2008.
14. Halaschek-Wiener J. et al. Reduced telomere length variation in healthy oldest old. Mech Ageing Dev 129: 638-41, 2008.
15. Lansdorp P.M. Telomeres and disease. EMBO J July, 2009 [Epub ahead of print]
16. Lansdorp PM. Telomeres, stem cells and hematology. Blood 111: 1759-1766, 2008.
17. Ly, H. et al. Functional characterization of telomerase RNA variants found in patients with hematologic disorders. Blood 105, 2332-9 (2005).
18. Ly, H. et al. Identification and functional characterization of 2 variant alleles of the telomerase RNA template gene (TERC) in a patient with dyskeratosis congenita. Blood 106, 1246-52 (2005).
19. Röth A. et al. Short telomeres and high telomerase activity in T-cell prolymphocytic leukemia. Leukemia 21: 2456-2462, 2007.
20. Rufer, N. et al. Accelerated telomere shortening in hematological lineages is limited to the first year following stem cell transplantation. Blood 97, 575-7 (2001).
21. Rufer, N. et al. Telomere fluorescence measurements in granulocytes and T lymphocyte subsets point to a high turnover of hematopoietic stem cells and memory T cells in early childhood. J Exp Med 190, 157-67 (1999).
22. Savage S.A. et al. TINF2, a component of the Shelterin telomere protection complex, is mutated in dyskeratosis congenita. Am J Hum Genet 82: 501-509, 2008.
23. Tsangaris E et al. Ataxia and pancytopenia caused by a mutation in TINF2. Hum Genet 124: 507-513, 2008.
24. Ouyang Q. et al. Telomere length in human natural killer cell subsets. Ann N Y Acad Sci 1106: 240-252, 2007.
25. Vrisekoop N. et al. Restoration of the CD4 T cell compartment after long-term highly active antiretroviral therapy without phenotypical signs of accelerated immunological aging. J Immunol 181: 1573-1581, 2008.
26. Westin E.R. et al. Telomere restoration and extension of proliferative lifespan in dyskeratosis congenita fibroblasts. Aging Cell 6: 383-394, 2007.
27. Xin Z.T. et al. Functional characterization of natural telomerase mutations found in patients hematological disorders. Blood 109: 524-532, 2007.
28. Yamaguchi, H. et al. Mutations in TERT, the gene for telomerase reverse transcriptase, in aplastic anemia. N Engl J Med 352, 1413-24 (2005).

Suite 309 – 267 West Esplanade Ave. North Vancouver, BC. V7M 1A5 Canada
T 604-985-2609 F 778-340-1144 info@repeatdiagnostics.com www.repeatdiagnostics.com