

Characterization of the oligoadenylate synthetase subgroup from phylum Porifera = Hõimkonna Porifera oligoadenülaadi süntetaaside alamrühma iseloomustamine

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Enzymatically active 2',5'-oligoadenylate synthetases are widely distributed among Metazoa, including protostome lineage

Päri, Mailis; Kuusksalu, Anne; Lopp, Annika; Hansen Kjaer, Karina; Justesen, Just; **Kelve, Merike** Biochimie 2014 / p. 200-209 : ill <https://doi.org/10.1016/j.biochi.2013.10.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evolution of the 2'-5'-oligoadenylate synthetase family in Eukaryotes and Bacteria

Kjaer, Karina Hansen; Poulsen, Jesper Buchhave; **Reintamm, Tõnu**; Saby, Emilie; Martesen, Pia Moeller; **Kelve, Merike**; Justesen, Just Journal of molecular evolution 2009 / 6, p. 612-624 <https://www.proquest.com/openview/0fe0284ce650961a365d42300b2e597f/1?cbl=54027&pq-origsite=gscholar&parentSessionId=dz9k38w4a1zaAkRvUbi61rwVTwqEtV4qKOMQV6XmYsw%3D>

Expressed 2-5A synthetase genes and pseudogenes in the marine sponge Geodia barretti

Vallmann, Kerli; Aas, Nele; **Reintamm, Tõnu**; Lopp, Annika; Kuusksalu, Anne; **Kelve, Merike** Gene 2011 / p. 42-49 : ill <https://www.sciencedirect.com/science/article/pii/S0378111911000163>

Expression and characterization of recombinant 2',5'-oligoadenylate synthetase from the marine sponge Geodia cydonium

Päri, Mailis; Kuusksalu, Anne; Lopp, Annika; Reintamm, Tõnu; Justesen, Just; **Kelve, Merike** FEBS journal 2007 / 13, p. 3462-3474

Expression and characterization of recombinant 2',5'-oligoadenylate synthetase from the marine sponge Geodia cydonium

Lopp, Annika; Päri, Mailis; Kuusksalu, Anne; Reintamm, Tõnu; Justesen, Just; **Kelve, Merike** Journal of interferon and cytokine research 2007 / 8, p. 719

In vitro effects of metal pollution on Mediterranean sponges : species-specific inhibition of 2'5'-oligoadenylate synthetase

Saby, Emilie; Justesen, Just; **Kelve, Merike**; Uriz, Maria Aquatic toxicology 2009 / 3, p. 204-210 : ill <https://www.sciencedirect.com/science/article/pii/S0166445X09002264>

Interferon-induced 2',5'-oligoadenylate synthetases versus those from sponges, evolutionarily lowest multicellular animals

Kuusksalu, Anne; Lopp, Annika; Päri, Mailis; Reintamm, Tõnu; **Kelve, Merike** Cytokine 2009 / 1/2, p. 85-86 https://www.researchgate.net/publication/247349787_Interferon-induced_2'5'-oligoadenylate_synthetases_versus_those_from_sponges_evolutionarily_lowest_multicellular_animals

Natural occurrence of 2',5'-linked heteronucleotides in marine sponges

Lopp, Annika; Reintamm, Tõnu; Kuusksalu, Anne; Tammiste, Indrek; Pihlak, Arno; **Kelve, Merike** Marine drugs 2010 / 2, p. 235-254 <https://pubmed.ncbi.nlm.nih.gov/20390103/>

Origin of the interferon-inducible (2'-5')oligoadenylate synthetase in vertebrates : cloning of the (2'-5') oligoadenylate synthetase from the marine sponge Geodia cydonium

Wiens, M.; Kuusksalu, Anne; **Kelve, Merike**; Müller, W.E.G. FEBS letters 1999 / p. 12-18 <https://www.sciencedirect.com/science/article/pii/S0014579399014787>

Purification of the 2',5'-oligoadenylate synthetase from the marine sponges Geodia cydonium and Chondrosia reniformis

Saby, Emilie; Reintamm, Tõnu; **Kelve, Merike** Journal of interferon and cytokine research 2007 / 8, p. 719

Studies on interferon-induced (2'-5') oligoadenylate system

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(2'-5')-oligoadenylate synthetase in marine sponge : identification of its reaction products

Kuusksalu, Anne; Subbi, J.; **Pehk, Tõnis**; Reintamm, Tõnu; Müller, W.E.G.; **Kelve, Merike** European journal of biochemistry 1998 / p. 420-426

(2'-5')-oligoadenylate system in marine sponges

Kuusksalu, Anne; Subbi, J.; **Pehk, Tõnis**; Reintamm, Tõnu; **Kelve, Merike** European cytokine network 1998 / p. 326

2'-5' oligoadenylate-binding protein(s) in higher plants

Truve, Erkki; Nigul, Lenne; Saichenko, T.A.; Saarma, Mart; Kelve, Merike BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 34

2'-phosphodiesterase and 2', 5'-oligoadenylate synthetase activities in the lowest metazoans, sponge [porifera]

Saby, Emilie; Poulsen, Jesper Buchhave; Justesen, Just; **Kelve, Merike**; Uriz, Maria Jesus Biochimie 2009 / 11/12, p. 1531-1534

