

***PRSS1* *PRSS1-PRSS3P2* hybrid genes**
p.S115T + p.R116P + p.R122H

Highly similar gene conversions were identified independently in a German and a Polish patient. In both cases the conversion resulted in the same amino-acid changes in human cationic trypsinogen.

Citations:

- Rygiel AM, Beer S, Simon P, Wertheim-Tysarowska K, Oracz G, Kucharzik T, Tysarowski A, Niepokój K, Kierkus J, Jurek M, Gawliński P, Poznański J, Bal J, Lerch MM, Sahin-Tóth M, Weiss FU (2015) **Gene conversion between cationic trypsinogen (*PRSS1*) and the pseudogene trypsinogen 6 (*PRSS3P2*) in patients with chronic pancreatitis.** Hum Mutat 36, 350-356

Functional studies:

- Rygiel AM, Beer S, Simon P, Wertheim-Tysarowska K, Oracz G, Kucharzik T, Tysarowski A, Niepokój K, Kierkus J, Jurek M, Gawliński P, Poznański J, Bal J, Lerch MM, Sahin-Tóth M, Weiss FU (2015) **Gene conversion between cationic trypsinogen (*PRSS1*) and the pseudogene trypsinogen 6 (*PRSS3P2*) in patients with chronic pancreatitis.** Hum Mutat 36, 350-356

Please also see the p.R122H entry for additional functional studies