Supplementary Information

Pseudogene Transcripts in Head and Neck Cancer: Literature Review and *In Silico* Analysis

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Table S1. Clinicopathological aspects of 219 head and neck cancer patients selected at The Cancer Genome Atlas database.

Characteristics	Number of Patients (Range or %)
Median age (years)	60 (38-89)
Gender	
Male	174 (79.5)
Female	45 (20.5)
Ethnic origin	
White	183 (83.6)
Non-white	30 (13.7)
Not reported	6 (2.7)
Tumor localization	
Oral cavity	62 (28.3)
Oropharynx	51 (23.3)
Hypopharynx	8 (3.7)
Larynx	98 (44.7)
Vital status	
Alive	130 (59.4)
Dead	89 (40.6)

Citation: Carron, J.; Della Coletta, R.; Lourenço, G.J. Pseudogene Transcripts in Head and Neck Cancer: Literature Review and *In Silico* Analysis. *Genes* **2021**, *12*, 1254. https://doi.org/10.3390/genes12081254

Academic Editor: Deborah J. Good

Received: 29 June 2021
Accepted: 12 August 2021
Published: 17 August 2021

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Table S2. Most deregulated pseudogenes in head and neck cancer and its subtypes identified at The Cancer Genome Atlas database, genetic variation type and identifier.

Pseudogene Transcript	Genetic Variation Type (n)	Genetic Variation Identifier (ID)
SPATA31D5P	SNV (19)	chr9:g.81917110T>C; chr9:g.81916294C>T; chr9:g.81916788C>G; chr9:g.81915701G>A; chr9:g.81916112A>T; chr9:g.81917939C>T; chr9:g.81917426G>T; chr9:g.81918866C>T; chr9:g.81916813G>C; chr9:g.81917603C>T; chr9:g.81917898C>T; chr9:g.81916693T>C; chr9:g.81916906G>A; chr9:g.81915617C>T; chr9:g.81915633G>A; chr9:g.81917204T>A; chr9:g.81919502C>A; chr9:g.81917927C>A; chr9:g.81916688C>A
HERC2P3	SNV (19)	chr15:g.20383438A>T; chr15:g.20439375G>T; chr15:g.20452449G>T; chr15:g.20452462G>A; chr15:g.20452555G>A; chr15:g.20438651T>C; chr15:g.20383431C>T; chr15:g.20453853C>A; chr15:g.20440493G>A; chr15:g.20438683G>A; chr15:g.20452505C>A; chr15:g.20439040C>A; chr15:g.20438824T>G; chr15:g.20453634C>T; chr15:g.20383366C>T; chr15:g.20444372C>T; chr15:g.20444256G>T; chr15:g.20444227C>A; chr15:g.20444371C>T
SPATA31C2	SNV (15)	chr9:g.88132450G>T; chr9:g.88131173G>T; chr9:g.88134788G>A; chr9:g.88131242A>C; chr9:g.88131995T>G; chr9:g.88131928G>T; chr9:g.88132087G>T; chr9:g.88131854G>C; chr9:g.88131333C>G; chr9:g.88132406G>A; chr9:g.88132101C>T; chr9:g.88132278C>A; chr9:g.88131939A>C; chr9:g.88132182G>T; chr9:g.88129720C>T
MAGEB6P1	SNV (15)	chrX:g.26160667C>G; chrX:g.26161441G>A; chrX:g.26160625C>A; chrX:g.26161623C>T; chrX:g.26161408C>A; chrX:g.26161374C>G; chrX:g.26160629G>C; chrX:g.26161687G>T; chrX:g.26161039G>T; chrX:g.26161010G>T; chrX:g.26161091C>G; chrX:g.26161454C>G; chrX:g.26160651G>A; chrX:g.26161152T>A; chrX:g.26161707G>C
SLC25A51P1	SNV (13)	chr6:g.65788530C>T; chr6:g.65788587A>G; chr6:g.65789220G>T; chr6:g.65788451C>G; chr6:g.65788893C>A; chr6:g.65788561C>T; chr6:g.65788602C>T; chr6:g.65788894T>G; chr6:g.65788704T>A; chr6:g.65789088G>T; chr6:g.65788563C>A; chr6:g.65789247C>A; chr6:g.65788770A>T
BAGE2	SNV (12)	chr21:g.10413565C>A; chr21:g.10473718C>A; chr21:g.10473325G>T; chr21:g.10473449T>C; chr21:g.10473596C>A; chr21:g.10413636G>A; chr21:g.10473632G>A; chr21:g.10413730G>T; chr21:g.10473316C>A; chr21:g.10473241C>A; chr21:g.10413587G>T; chr21:g.10454138G>A
DNM1P47	SNV (8)	chr15:g.101759775G>T; chr15:g.101762730C>T; chr15:g.101752519C>G; chr15:g.101759755C>G; chr15:g.101764268G>A; chr15:g.101753184G>T; chr15:g.101759784C>A; chr15:g.101752987G>C
SPATA31C1	SNV (13) and del (1)	chr9:g.87922410C>T; chr9:g.87920997C>G; chr9:g.87919151T>A; chr9:g.87920595C>A; chr9:g.87921094C>T; chr9:g.87922031G>T; chr9:g.87920433G>A; chr9:g.87922796G>T; chr9:g.87921535G>T; chr9:g.87920604C>A; chr9:g.87920350G>A; chr9:g.87922158C>A; chr9:g.87921534G>T; chr9:g.87921488delG
ZNF733P	SNV (10)	chr7:g.63292321G>T; chr7:g.63292374T>A; chr7:g.63292245G>A; chr7:g.63292191C>A; chr7:g.63292378C>T; chr7:g.63291761C>A; chr7:g.63292237G>A; chr7:g.63292132G>T; chr7:g.63292812G>T; chr7:g.63291599C>A
OR2W5	SNV (10) and del (1)	chr1:g.247491764C>T; chr1:g.247491713G>T; chr1:g.247491194C>A; chr1:g.247491778C>T; chr1:g.247491919A>G; chr1:g.247491820C>A; chr1:g.247491316T>G; chr1:g.247492077G>A; chr1:g.247491717C>A; chr1:g.247491708T>C; chr1:g.247491293delCA
NBPF25P	SNV (7)	chr1:g.145578886T>C; chr1:g.145578049G>A; chr1:g.145586293C>G; chr1:g.145587982G>A; chr1:g.145587966C>A; chr1:g.145580723C>T; chr1:g.145574113G>C
NXF4	SNV (7)	chrX:g.102550109G>C; chrX:g.102562668C>T; chrX:g.102563371G>T; chrX:g.102564000G>A; chrX:g.102550112G>A; chrX:g.102567021C>T; chrX:g.102568467G>T
BNIP3P1	SNV (7)	chr14:g.28264892C>G; chr14:g.28265090G>T; chr14:g.28264729C>T; chr14:g.28264677G>C; chr14:g.28264503C>T; chr14:g.28264837C>A; chr14:g.28264618A>G
PKD1L2	SNV (2)	chr16:g.81174810G>T; chr16:g.81175654G>C
ZNF658B	SNV (7)	chr9:g.39445654G>A; chr9:g.39446976C>A; chr9:g.39445373G>A; chr9:g.39447267G>A; chr9:g.39446313G>A; chr9:g.39445270C>A; chr9:g.39445269A>C
POTEA	SNV (6)	chr8:g.43292781G>T; chr8:g.43292519C>T; chr8:g.43318555C>G; chr8:g.43318595C>T; chr8:g.43318569C>T; chr8:g.43318547G>C

MROH5	SNV (8)	chr8:g.141507213G>A; chr8:g.141490163G>A; chr8:g.141435999C>G; chr8:g.141476053C>G; chr8:g.141496335C>T; chr8:g.141472881A>T; chr8:g.141440315C>T; chr8:g.141435204G>A
MSL3P1	SNV (2)	chr2:g.233867311G>C; chr2:g.233867189C>G
HLA-H	SNV (2)	chr6:g.29888008G>C; chr6:g.29889597G>C
TUBB8P7	SNV (5)	chr16:g.90095366G>T; chr16:g.90095367C>T; chr16:g.90094640G>A; chr16:g.90095655C>T; chr16:g.90095622G>A
SLC7A5P2	SNV (2)	chr16:g.21519961G>A; chr16:g.21519895G>C
DPY19L2P1	SNV (5)	chr7:g.35090359T>C; chr7:g.35104687G>A; chr7:g.35104704C>T; chr7:g.35090332A>T; chr7:g.35090346T>C
TSSC2	SNV (3)	chr11:g.3407576G>A; chr11:g.3401855C>T; chr11:g.3401768C>G
DPY19L2P3	SNV (5)	chr7:g.29694607C>A; chr7:g.29687396G>A; chr7:g.29697009T>G; chr7:g.29733553G>A; chr7:g.29742234T>A
GBA3	SNV (8)	chr4:g.22736146G>T; chr4:g.22747855A>G; chr4:g.22747913G>A; chr4:g.22727581A>T; chr4:g.22747778C>A; chr4:g.22693025C>A; chr4:g.22748026T>A; chr4:g.22818740C>G
PLEKHM1P	SNV (4)	chr17:g.64800344T>C; chr17:g.64800567G>A; chr17:g.64797321G>A; chr17:g.64792411C>T
MST1P2	SNV (4)	chr1:g.16643086C>T; chr1:g.16649682G>C; chr1:g.16646409C>A; chr1:g.16649657G>C
ADAM21P1	SNV (1) and ins (1)	chr14:g.70246544C>G; chr14:g.70247179_70247180insT
OR12D2	SNV (6)	chr6:g.29397288C>A; chr6:g.29397420G>T; chr6:g.29396714C>G; chr6:g.29397313C>G; chr6:g.29396774C>T; chr6:g.29397334C>T;
PNLIPRP2	SNV (8)	chr10:g.116626969G>C; chr10:g.116626952T>A; chr10:g.116626910G>A; chr10:g.116626924G>T; chr10:g.116634889A>T; chr10:g.116636825T>C; chr10:g.116623984A>T; chr10:g.116636905A>G
HSP90AB2P	SNV (5)	chr4:g.13337246G>A; chr4:g.13336782A>G; chr4:g.13336798C>A; chr4:g.13338268G>A; chr4:g.13337610G>A

number of genetic variations, SNV: single nucleotide variation, del: deletion, ins: insertion.