

type 1 nnGCnn

1..2↑ codon pairs	%	6mers, log ₂ (obs/exp)		A - B	z-score, ORFeome								
		ORFs (A)	genome (B)		6mers	5mers		4mers		3mers		2mers	
GGGCUU	76	0.99	0.44	0.55	3.45	GGGcNu	3.54	GGGCnn	4.11	nnGCUn	3.96	nnGCnn	4.31
UUGCUn	52	0.50	0.04	0.46	1.58	UUGCUn	2.07	nnGCUU	2.66	nnGCUn	3.96	nnGCnn	4.31
GGGCAG	54	0.78	0.33	0.45	2.48	GGGCnG	3.19	GGGCnn	4.11	GnGCnn	3.66	nnGCnn	4.31
GGGCAU	69	0.83	0.39	0.44	2.73	GGGcNu	3.54	GGGCnn	4.11	GnGCnn	3.66	nnGCnn	4.31
GGGCUG	53	0.76	0.32	0.44	2.41	GGGCnG	3.19	GGGCnn	4.11	nnGCUn	3.96	nnGCnn	4.31
ACGCUU	54	0.59	0.15	0.43	1.89	ACGCUn	2.60	nCGCUn	3.17	nnGCUn	3.96	nnGCnn	4.31
GGGCUA	53	0.87	0.51	0.35	2.89	GGGcNA	3.27	GGGCnn	4.11	nnGCUn	3.96	nnGCnn	4.31
GGGCAA	57	0.75	0.51	0.25	2.38	GGGcNA	3.27	GGGCnn	4.11	GnGCnn	3.66	nnGCnn	4.31
GAGCUU	58	0.59	0.35	0.24	1.92	GnGCUU	2.28	GnGCUn	2.98	nnGCUn	3.96	nnGCnn	4.31
GCGCUU	51	0.41	0.19	0.22	1.28	GnGCUU	2.28	nCGCUn	3.17	nnGCUn	3.96	nnGCnn	4.31
GAGCAU	59	0.44	0.23	0.21	1.40	GAGcNu	2.11	GnGCnU	2.79	GnGCnn	3.66	nnGCnn	4.31
CUGCAA	51	0.51	0.34	0.17	1.61	CnGCAA	1.72	CnGCnA	2.25	CnGCnn	3.13	nnGCnn	4.31
GAGCGU	54	0.40	0.43	-0.03	1.28	GAGcNu	2.11	GnGCnU	2.79	GnGCnn	3.66	nnGCnn	4.31
UUGCUG	52	0.56	0.60	-0.04	1.81	UUGCUn	2.07	nnGCUG	2.72	nnGCUn	3.96	nnGCnn	4.31
GAGCAA	51	0.33	0.38	-0.05	1.05	GAGcNA	1.67	GAGCnn	2.52	GnGCnn	3.66	nnGCnn	4.31
GAGCAG	70	0.51	0.64	-0.13	1.61	GAGcNG	1.98	GnGCnG	2.98	GnGCnn	3.66	nnGCnn	4.31
GUGCUG	51	0.51	0.75	-0.24	1.64	GnGCUG	2.15	GnGCUn	2.98	nnGCUn	3.96	nnGCnn	4.31

type 2 nnCAnn

1..2↑ codon pairs	%	6mers, log ₂ (obs/exp)		A - B	z-score, ORFeome								
		ORFs (A)	genome (B)		6mers	5mers		4mers		3mers		2mers	
GACAGC	64	0.70	0.21	0.49	2.28	GACAGn	2.24	GnCAGn	2.39	nnCAGn	2.36	nnCAnn	2.07
CUCAAU	53	0.62	0.21	0.40	1.97	CUCAAn	1.76	nnCAAU	1.61	nUCAnn	1.77	nnCAnn	2.07
GCCAAU	54	0.44	0.09	0.34	1.37	nCCAAU	1.67	nCCAnU	1.61	nnCAAn	1.77	nnCAnn	2.07
ACCAAU	51	0.33	0.09	0.24	1.05	nCCAAU	1.67	nCCAnU	1.61	nnCAAn	1.77	nnCAnn	2.07
AUCAUG	54	0.22	0.00	0.22	0.70	AUCAUn	0.84	AUCAnn	1.16	nUCAnn	1.77	nnCAnn	2.07
UACAAC	64	0.58	0.36	0.22	1.87	UACAnC	1.85	nACAnC	1.83	nnCANc	2.13	nnCAnn	2.07
GUCAAU	61	0.52	0.31	0.21	1.67	GUCAnU	1.67	GUCAnn	1.61	nUCAnn	1.77	nnCAnn	2.07
AACAGC	54	0.46	0.53	-0.08	1.46	nACAGC	2.15	nACAGn	2.12	nnCAGn	2.36	nnCAnn	2.07
AUCAUC	64	0.42	0.53	-0.11	1.31	AUCAnC	1.34	nUCAnC	1.90	nnCANc	2.13	nnCAnn	2.07
AUCAAC	52	0.30	0.42	-0.12	0.95	nUCAAC	1.39	nUCAnC	1.90	nnCANc	2.13	nnCAnn	2.07
AUACCC	53	0.28	0.56	-0.28	0.88	AUCAnC	1.34	nUCAnC	1.90	nnCANc	2.13	nnCAnn	2.07

type 3 nnUUnn

1..2↑ codon pairs	%	6mers, log ₂ (obs/exp)		A - B	z-score, ORFeome								
		ORFs (A)	genome (B)		6mers	5mers		4mers		3mers		2mers	
CUUUC	54	0.87	0.18	0.69	2.89	CUUUCn	2.87	CnUUcn	3.10	nnUUCn	3.86	nnUUnn	2.84
CUUUCU	61	0.91	0.29	0.61	3.06	CUUUCn	2.87	nnUUcU	3.35	nnUUCn	3.86	nnUUnn	2.84
CUUUCA	59	0.74	0.15	0.59	2.36	CUUUCn	2.87	nnUUcA	3.53	nnUUcA	4.06	nnUUnn	2.84
CCUUCU	51	0.98	0.69	0.29	3.32	nCUUCU	4.14	nCUUCn	3.82	nnUUCn	3.86	nnUUnn	2.84
CUUUAU	56	0.65	0.37	0.28	2.00	CUUUAn	2.48	CUUUnn	2.32	CnUUnn	2.47	nnUUnn	2.84
GCUUCU	55	0.89	0.62	0.27	2.93	nCUUCU	4.14	nCUUCn	3.82	nnUUCn	3.86	nnUUnn	2.84
CUUUAC	54	0.56	0.32	0.25	1.81	CUUUAn	2.48	CUUUnn	2.32	CnUUnn	2.47	nnUUnn	2.84
GCUUCA	51	0.69	0.44	0.24	2.23	nCUUCA	4.08	nCUUnA	3.99	nnUUcA	4.06	nnUUnn	2.84
UCUUUCU	57	1.19	0.99	0.20	4.47	nCUUCU	4.14	nCUUCn	3.82	nnUUCn	3.86	nnUUnn	2.84

type 4 nnUnCn

1..2↑ codon pairs	%	6mers, log ₂ (obs/exp)		A - B	z-score, ORFeome								
		ORFs (A)	genome (B)		6mers	5mers		4mers		3mers		2mers	
GGUUCU	53	0.62	0.17	0.46	1.97	nGUUCU	2.68	nnUUCU	3.35	nnUUCn	3.86	nnUUnn	2.84
UUUGCC	64	0.51	0.07	0.44	1.61	nUUGCC	1.72	nUUnCC	1.98	nnUGCn	1.65	nnUnCn	2.07
GUUGCU	52	0.43	0.24	0.18	1.34	GUUnCU	1.85	nUUnCU	2.05	nnUnCU	2.47	nnUnCn	2.07
AAUGCC	60	0.38	0.24	0.15	1.21	AnUGCC	1.34	nnUGCC	1.69	nnUGCn	1.65	nnUnCn	2.07
GAUGCC	52	0.25	0.18	0.07	0.81	nAUGCC	1.25	nnUGCC	1.69	nnUGCn	1.65	nnUnCn	2.07
AUUGCC	59	0.34	0.29	0.05	1.08	nUUGCC	1.72	nUUnCC	1.98	nnUGCn	1.65	nnUnCn	2.07
CCUGCU	54	0.65	0.72	-0.06	2.05	nCUGCU	2.44	nCUnCU	3.29	nnUnCU	2.47	nnUnCn	2.07
GCUUCU	53	0.53	0.68	-0.15	1.67	nCUGCU	2.44	nCUnCU	3.29	nnUnCU	2.47	nnUnCn	2.07