

**Codon Preference in HIR3 (Hypersensitive induced reaction protein 3) in Triticum Aestivum**

AmAcid	Codon	Number	/1000	Fraction
Ala	GCG	6.00	20.83	0.19
Ala	GCA	10.00	34.72	0.32
Ala	GCT	7.00	24.31	0.23
Ala	GCC	8.00	27.78	0.26
Cys	TGT	2.00	6.94	0.33
Cys	TGC	4.00	13.89	0.67
Asp	GAT	10.00	34.72	0.50
Asp	GAC	10.00	34.72	0.50
Glu	GAG	12.00	41.67	0.71
Glu	GAA	5.00	17.36	0.29
Phe	TTT	7.00	24.31	0.70
Phe	TTC	3.00	10.42	0.30
Gly	GGG	2.00	6.94	0.11
Gly	GGA	1.00	3.47	0.06
Gly	GGT	4.00	13.89	0.22
Gly	GGC	11.00	38.19	0.61
His	CAT	3.00	10.42	0.75
His	CAC	1.00	3.47	0.25
Ile	ATA	1.00	3.47	0.05
Ile	ATT	5.00	17.36	0.26
Ile	ATC	13.00	45.14	0.68
Lys	AAG	14.00	48.61	0.78
Lys	AAA	4.00	13.89	0.22
Leu	TTG	1.00	3.47	0.05
Leu	TTA	0.00	0.00	0.00
Leu	CTG	10.00	34.72	0.50
Leu	CTA	0.00	0.00	0.00

Leu	CTT	4.00	13.89	0.20
Leu	CTC	5.00	17.36	0.25
Met	ATG	7.00	24.31	1.00
Asn	AAT	5.00	17.36	0.50
Asn	AAC	5.00	17.36	0.50
Pro	CCG	0.00	0.00	0.00
Pro	CCA	3.00	10.42	0.38
Pro	CCT	4.00	13.89	0.50
Pro	CCC	1.00	3.47	0.13
Gln	CAG	15.00	52.08	0.83
Gln	CAA	3.00	10.42	0.17
Arg	AGG	5.00	17.36	0.33
Arg	AGA	2.00	6.94	0.13
Arg	CGG	0.00	0.00	0.00
Arg	CGA	1.00	3.47	0.07
Arg	CGT	2.00	6.94	0.13
Arg	CGC	5.00	17.36	0.33
Ser	AGT	3.00	10.42	0.19
Ser	AGC	1.00	3.47	0.06
Ser	TCG	3.00	10.42	0.19
Ser	TCA	1.00	3.47	0.06
Ser	TCT	4.00	13.89	0.25
Ser	TCC	4.00	13.89	0.25
Thr	ACG	1.00	3.47	0.08
Thr	ACA	3.00	10.42	0.23
Thr	ACT	4.00	13.89	0.31
Thr	ACC	5.00	17.36	0.38
Val	GTG	15.00	52.08	0.52
Val	GTA	1.00	3.47	0.03
Val	GTT	6.00	20.83	0.21
Val	GTC	7.00	24.31	0.24
Trp	TGG	1.00	3.47	1.00

Tyr	TAT	2.00	6.94	0.29
Tyr	TAC	5.00	17.36	0.71
End	TGA	0.00	0.00	0.00
End	TAG	1.00	3.47	1.00
End	TAA	0.00	0.00	0.00