

**Codon Preference in HIR2 (Hypersensitive induced reaction protein 2) in *Triticum Aestivum***

AmAcid	Codon	Number	/1000	Fraction
Ala	GCG	2.00	7.02	0.07
Ala	GCA	10.00	35.09	0.36
Ala	GCT	6.00	21.05	0.21
Ala	GCC	10.00	35.09	0.36
Cys	TGT	1.00	3.51	0.33
Cys	TGC	2.00	7.02	0.67
Asp	GAT	11.00	38.60	0.55
Asp	GAC	9.00	31.58	0.45
Glu	GAG	13.00	45.61	0.72
Glu	GAA	5.00	17.54	0.28
Phe	TTT	5.00	17.54	0.50
Phe	TTC	5.00	17.54	0.50
Gly	GGG	4.00	14.04	0.24
Gly	GGA	2.00	7.02	0.12
Gly	GGT	8.00	28.07	0.47
Gly	GGC	3.00	10.53	0.18
His	CAT	2.00	7.02	0.67
His	CAC	1.00	3.51	0.33
Ile	ATA	2.00	7.02	0.11
Ile	ATT	9.00	31.58	0.50
Ile	ATC	7.00	24.56	0.39
Lys	AAG	11.00	38.60	0.52
Lys	AAA	10.00	35.09	0.48
Leu	TTG	3.00	10.53	0.14
Leu	TTA	1.00	3.51	0.05

Leu	CTG	8.00	28.07	0.38
Leu	CTA	1.00	3.51	0.05
Leu	CTT	3.00	10.53	0.14
Leu	CTC	5.00	17.54	0.24
Met	ATG	8.00	28.07	1.00
Asn	AAT	6.00	21.05	0.75
Asn	AAC	2.00	7.02	0.25
Pro	CCG	0.00	0.00	0.00
Pro	CCA	1.00	3.51	0.13
Pro	CCT	5.00	17.54	0.63
Pro	CCC	2.00	7.02	0.25
Gln	CAG	10.00	35.09	0.63
Gln	CAA	6.00	21.05	0.38
Arg	AGG	4.00	14.04	0.31
Arg	AGA	3.00	10.53	0.23
Arg	CGG	1.00	3.51	0.08
Arg	CGA	2.00	7.02	0.15
Arg	CGT	3.00	10.53	0.23
Arg	CGC	0.00	0.00	0.00
Ser	AGT	0.00	0.00	0.00
Ser	AGC	2.00	7.02	0.12
Ser	TCG	6.00	21.05	0.35
Ser	TCA	4.00	14.04	0.24
Ser	TCT	5.00	17.54	0.29
Ser	TCC	0.00	0.00	0.00
Thr	ACG	2.00	7.02	0.15
Thr	ACA	1.00	3.51	0.08
Thr	ACT	8.00	28.07	0.62
Thr	ACC	2.00	7.02	0.15
Val	GTG	9.00	31.58	0.27
Val	GTA	2.00	7.02	0.06
Val	GTT	9.00	31.58	0.27
Val	GTC	13.00	45.61	0.39

Trp	TGG	1.00	3.51	1.00
Tyr	TAT	3.00	10.53	0.38
Tyr	TAC	5.00	17.54	0.63
End	TGA	0.00	0.00	0.00
End	TAG	0.00	0.00	0.00
End	TAA	1.00	3.51	1.00

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Ala	GCA	10	35.09	0.36
Ala	GCT	6	21.05	0.21
Ala	GCC	10	35.09	0.36
Cys	TGT	1	3.51	0.33
Cys	TGC	2	7.02	0.67
Asp	GAT	11	38.6	0.55
Asp	GAC	9	31.58	0.45
Glu	GAG	13	45.61	0.72
Glu	GAA	5	17.54	0.28
Phe	TTT	5	17.54	0.5
Phe	TTC	5	17.54	0.5
Gly	GGG	4	14.04	0.24
Gly	GGA	2	7.02	0.12
Gly	GGT	8	28.07	0.47
Gly	GGC	3	10.53	0.18
His	CAT	2	7.02	0.67
His	CAC	1	3.51	0.33
Ile	ATA	2	7.02	0.11
Ile	ATT	9	31.58	0.5
Ile	ATC	7	24.56	0.39
Lys	AAG	11	38.6	0.52
Lys	AAA	10	35.09	0.48
Leu	TTG	3	10.53	0.14
Leu	TTA	1	3.51	0.05
Leu	CTG	8	28.07	0.38
Leu	CTA	1	3.51	0.05
Leu	CTT	3	10.53	0.14
Leu	CTC	5	17.54	0.24
Met	ATG	8	28.07	1
Asn	AAT	6	21.05	0.75
Asn	AAC	2	7.02	0.25
Pro	CCG	0	0	0
Pro	CCA	1	3.51	0.13
Pro	CCT	5	17.54	0.63
Pro	CCC	2	7.02	0.25
Gln	CAG	10	35.09	0.63
Gln	CAA	6	21.05	0.38
Arg	AGG	4	14.04	0.31

Arg	AGA	3	10.53	0.23
Arg	CGG	1	3.51	0.08
Arg	CGA	2	7.02	0.15
Arg	CGT	3	10.53	0.23
Arg	CGC	0	0	0
Ser	AGT	0	0	0
Ser	AGC	2	7.02	0.12
Ser	TCG	6	21.05	0.35
Ser	TCA	4	14.04	0.24
Ser	TCT	5	17.54	0.29
Ser	TCC	0	0	0
Thr	ACG	2	7.02	0.15
Thr	ACA	1	3.51	0.08
Thr	ACT	8	28.07	0.62
Thr	ACC	2	7.02	0.15
Val	GTG	9	31.58	0.27
Val	GTA	2	7.02	0.06
Val	GTT	9	31.58	0.27
Val	GTC	13	45.61	0.39
Trp	TGG	1	3.51	1
Tyr	TAT	3	10.53	0.38
Tyr	TAC	5	17.54	0.63
End	TGA	0	0	0
End	TAG	0	0	0
End	TAA	1	3.51	1

