

## Appendix 2: The Distribution of Genetic Marker for Gluten Sensitivity

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Source: <http://en.wikipedia.org/wiki/HLA-B8>

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Some diseases like coeliac disease primarily associate with certain genes that attribute risk to developing gluten intolerance. Among them is the genetic sequence called HLA-B8 which for that reason is regarded as the genetic marker for people who are more prone to develop various forms of gluten intolerance. Below is a map for the distribution of this genetic marker in various populations living in various countries of the world.

Population	Frequency %
Ireland South	18.2
Australia New South Wales	17.3
Ireland Northern	16.2
Belgium	12.6
Oman	11.0
Spain Basque Gipuzkoa Province	9.1
Finland	8.9
France South East	8.9
Scotland Orkney	8.8
Morocco Nador Metalsa Class I	8.7
India New Delhi	8.3
Spain Eastern Andalusia Gipsy	8.1
Madeira	7.8
Guinea Bissau	7.7
Iran Baloch	7.6
South African Natal Zulu	7.5
Brazil Belo Horizonte	7.4
Cape Verde Southeastern Islands	7.3
Romanian	7.3
Saudi Arabia Guraiat and Hail	7.1
South Africa Natal Tamil	7.1
Georgia Svaneti Svans	6.9
India Andhra Pradesh Golla	6.7
Portugal North	6.5
Azores Santa Maria and Sao Miguel	6.4
Uganda Kampala	6.2
Cape Verde Northwestern Islands	5.6
Cameroon Yaounde	5.4
Italy Bergamo	5.3
Czech Republic	5.2
Cameroon Pygmy Baka	5.0

Senegal Niokholo Mandenka	4.8
Kenya Nandi	4.6
Spain Catalonia Girona	4.6
Tunisia	4.6
Bulgaria Gipsy	4.5
Tunisia Tunis	4.5
Brazil	4.3
Portugal Centre	4.0
Sudanese	4.0
Cameroon Sawa	3.8
Jordan Amman	3.8
Indigenous Australian, Cape York Peninsula	3.5
Georgia Tibilisi Kurds	3.4
Zambia Lusaka	3.4
Kenya	3.1
Zimbabwe Harare Shona	3.1
Kenya Luo	3.0
Mexico Zaptotec Oaxaca	3.0
India North Hindus	2.9
Mexico Mestizos	2.4
Ivory Coast Akan Adiopodoume	2.3
Indig. Australian, Groote Eylandt	2.0
Portugal South	2.0
Georgia Tibilisi Georgians	1.9
Azores Central Islands	1.8
Bulgaria	1.8
Argentina Toba Rosario	1.7
Croatia	1.7
India North Delhi	1.6
China North Han	1.4
Cameroon Beti	1.1
Cameroon Bakola Pygmy	1.0
India West Coast Parsis	1.0
Taiwan Siraya	1.0