**Known genetic associations with transposition of the great arteries**

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|  |  | Cytoband | Study |
| Non-syndromic | ZIC3 | Xq26.3 | Bamford et al.1 |
|  | Nodal | 10q22.1 | Nomura et al.2  |
|  | CFC1 | 2q21.1 | Bamford et al.1 |
|  | Smad2 | 18q21.1 | Nomura et al.2 |
|  |  | 1p31.1 | Costain et al.3 |
|  |  | 3q25.33-q25.32 | Costain et al.3 |
|  |  | 4q28.3-4q28.2 | Costain et al.3 |
|  |  | 7q21.11 | Costain et al.3 |
|  |  | 8p22 | Costain et al.3 |
|  |  | 12q24.33 | Costain et al.3 |
|  |  | 13q13.1-13q13.2 | Costain et al.3 |
|  |  | 16p12.3-16p13.11 | Costain et al.3 |
|  |  | 16p12.2 | Costain et al.3 |
|  |  | Xp22.12 | Costain et al.3 |
|  |  | **16p11.2** | **Current paper** |
| Syndromic | CHARGE |  | Unolt et al.4 |
|  | Deletion 11q |  | Jacobsen et al.5 |
|  | Deletion 18p |  | Digilio et al.6 |
|  | DiGeorge/deletion 22q11 |  | Van Mierop et al.7 |
|  | Heterotaxy (right isomerism) |  | Marino et al.8 |
|  | Marfan syndrome |  | Unolt et al.4 |
|  | Noonan syndrome |  | Unolt et al.4 |
|  | Trisomy 18 |  | Unolt et al.4 |
|  | Trisomy 8 |  | Unolt et al.4 |
|  | Tuberous sclerosis |  | Jiang et al.9 |
|  | Turner syndrome |  | Unolt et al.4 |
|  | VACTERL |  | Unolt et al.4 |
|  | Williams syndrome |  | Unolt et al.4 |

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