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| **Table S2. Properties of (AC) microsatellite clusters tested for notochord activity** |
| **Genomic Coordinates** | **Size****(bp)** | **# of repeats** | **Adjacent Ci-Bra site** | **Ci-Bra occ.a** | **Nearby noto.****gene** | **Cluster noto. activity** |
| KhC7:3,853,970-3,854,222(Ci-CRM66) | 253 | 6 | TCACAC | (+++) | YesbKH.C7.568*Ephrin3* | Yes |
| KhC1:7,533,575-7,533,808 | 233 | 13 | TCACAC | (+) | No | No |
| KhC3:1,909,915-1,910,349 | 434 | 3c | TCACAC | (++) | No | No |
| KhC4:4,454,695-4,454,984 | 289 | 6 | TCACAC | (++) | No | No |
| KhC5:2,406,810-2,407,177 | 367 | ≥6 | TTGCAC | (+++) | No | No |
| KhC5:3,514,633-3,515,030 | 397 | 7 | TCACAC | (+) | No | No |
| KhC9:1,537,164-1,537,608 | 444 | 7 | TCACAC | (++) | No | No |
| KhC12:3,856,661-3,857,122 | 461 | 17 | TCACAC | (++) | No | No |
| KhL24:269,249-269,597 | 348 | 6 | TCACAC | (++) | No | No |
| KhC8:5,801,833-5,802,128\* | 295 | 6 | TTACAC | (+) | YesdKH.C8.210 | No |
| KhC5:4,916,567-4,916,815 | 248 | 33 | N/A | (++) | Yesd,eKH.C5.217*Ci-Noto14* | No |
| KhC2:3,233,971-3,234,248 | 277 | 9 | N/A | (++) | YesfKH.C2.327*Ci-AFF* | No |
| a Data compiled from [6]; 0<(+)<1; 1<(++)<2; (+++)>2 fold enrichment based upon the highest peaks within 250 bp of each construct. The number of (AC) repeats in each region varies in different versions of the genome.b [2]c While six repeats were predicted from the genomic information, a polymorphism in the actual amplified sequence reduced the repeat number to three.d [4]e [7]f [8]\*The (AC) repeat is masked in the current Aniseed genome browser, but is visible in the current UCSC genome browser using coordinates chr08q:6,421,219-6,421,514Abbreviations: bp: base pairs, Bra.: Brachyury, occ.: occupancy, noto.: notochord. |