Pinto *et al*, Additional file S7

Table S7- Parameters used in G-test statistical comparison of tag-proportions among *Tetraodon* gill SuperSAGE libraries.

	Test1	Test2	Test3	Test4
Standard subset [1]	(C2h and C12h) *versus*	(C2h and LowCa2h) *versus*	C12h *versus*	C12h *versus*
Test subset (s) [1]	(LowCa2h and LowCa12h)	(C12h and LowCa12h)	HighCa12h or LowCa12h	(HighCa12h and LowCa12h)
Rule 1 [2]	$G_{intrinsic}$ ($p<0.05$)	$G_{intrinsic}$ ($p<0.05$)	$G_{intrinsic}$ ($p<0.05$)	$G_{intrinsic}$ ($p<0.05$)
Rule 2 (homogeneity) [2]	$G_{within,standard}$ ($p>0.05$)	$G_{within,standard}$ ($p>0.05$)	$G_{within,standard}$ ($p>0.05$)	$G_{within,standard}$ ($p>0.05$)
Rule 3(homogeneity) [2]	$G_{within,\ test}$ ($p>0.05$)	$G_{within,\ test}$ ($p>0.05$)	$G_{individual,test->standard}$ ($p<0.05$)	$G_{within,\ test}$ ($p>0.05$)
Rule 4 [2]	$G_{pooled,test->standard}$ ($p<0.05$)	$G_{pooled,test->standard}$ ($p<0.05$)		$G_{pooled,test->standard}$ ($p<0.05$)

Parameters used in G-test statistics were: [1] chosen subsets of SuperSAGE libraries compared in each test: gill libraries from fish exposed to control water for 2 or 12h (C2h or C12h), 0.01mM Ca^{2+} water for 2 or 12h (LowCa2h or LowCa12h) and 10mM Ca^{2+} water for 12h (HighCa12h); [2] G-test statisitics decision rules and significance levels (p) for each test. For more details on G-test principles and decision rules see Schaaf *et al.* (2005) and Schaaf *et al.* (2008).

References:

Schaaf, G. J., et al., 2005. Full transcriptome analysis of rhabdomyosarcoma, normal, and fetal skeletal muscle: statistical comparison of multiple SAGE libraries. FASEB J. 19**,** 404-6.

Schaaf, G. J., et al., Statistical comparison of two or more SAGE libraries: one tag at a time. In: K. L. Nielsen, (Ed.), Serial Analysis of Gene Expression (SAGE). Humana Press, Totowa, New Jersey, 2008, pp. 151-68.