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Genome-wide scans detect adaptation to aridity in a widespread forest tree species

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Supplementary Table 1

Supplementary Table 1.:

Calculations of Estimated NTD ETOPFA Rate Data

From De Wals 2007, New England Journal of Medicine (Reference (0))

Province	Numbers, De Wals					
	Pre		Partial		Post	
NFL	131	28727	18	12666	10	13135
PEI	17	8183	4	3784	0	3756
NS	142	52226	32	24212	31	24660
QU	701	395681	227	178827	186	191059
MN	121	78727	32	36267	36	38692
AL	207	184440	68	93698	70	103690
BC	214	222207	115	106435	84	112042

Province	Rates with ETOPFA's, De Wals		
	Pre	Partial	Post
NFL	45.6	14.2	7.6
PEI	20.8	10.6	0.0
NS	27.2	13.2	12.6
QU	17.7	12.7	9.7
MN	15.4	8.8	9.3
AL	11.2	7.3	6.8
BC	9.6	10.8	7.5

From Health Canada – Congenital Anomalies in Canada 2013 (Reference (0))

Province	Rates without ETOFPA's		
Abbrev	NTD 1991-96	NTD 1997-00	NTD 2001-07
NFL	30.5	8.3	4.7
PEI	9.8		
NS	19.8	9.6	5.1
QB	6.9	5.4	3.3
MN	10	7.8	5.5
ALB	7.8	4.7	4.2
BC	8.8	6.8	6

Province	ETOPFA Rates		
	Pre	Partial	Post
NFL	15.1	5.9	2.9
PEI	11.0		
NS	7.4	3.6	7.5
QU	10.8	7.3	6.4
MN	5.4	1.0	3.8
AL	3.4	2.6	2.6
BC	0.8	4.0	1.5

Province	% ETOFPA		
	Pre	Partial	Post
NFL	33.1%	41.6%	38.3%
PEI	52.8%		
NS	27.2%	27.4%	59.4%
QU	61.1%	57.5%	66.1%
MN	34.9%	11.6%	40.9%
AL	30.5%	35.2%	37.8%
BC	8.6%	37.1%	20.0%

Average	32.5683%	35.0535%	43.7402%

Province	Updated Rates with ETOFPA's		
	NTD91-96R	NTD97-00R	NTD01-07R
Newfoundland and Labrador	45.6	14.2	7.6
Prince Edward Island	20.8	10.6	
Nova Scotia	27.2	13.2	12.6
Quebec	17.7	12.7	9.7
Manitoba	15.4	8.8	9.3
Alberta	11.2	7.3	6.8
British Columbia	9.6	10.8	7.5
Saskatchewan	17.6	8.9	8.9
Ontario	14.1	9.4	7.1
New Brunswick	23.1	11.2	6.2