Case: h = 0 mod 3

Baseline Riesel test numbers h * 2^n-1				Baseline No Jacobi cache Average Jacobi ops to find 1st v(1)						Baseline Jacobi cache Average Jacobi ops to find 1st v(1)						Baseline Cache advantage Jacobi cache / No Jacobi cache					
[n, n+1000)		h = 3*base_n [h, h+6000)		search starting at 3		sorted by v(1)		reverse sort by freq		search starting at 3		sorted by v(1)		reverse sort by freq		search starting at 3		sorted by v(1)		reverse sort by freq	
base_n	n_beyond	hase_h	h_beyond	integer search 1st v(1)	odd search 1st v(1)	known 1st v(1)	odd known 1st v(1)	known 1st v(1)	odd known 1st v(1)	integer search 1st v(1)	odd search 1st v(1)	known 1st v(1)	odd known 1st v(1)	known 1st v(1)	odd known 1st v(1)	integer search 1st v(1)	odd search 1st v(1)	known 1st v(1)	odd known 1st v(1)	known 1st v(1)	odd known 1st v(1)
4194304	4195304	12582912	12588912	9.878	5.900	4.926	4.875	4.864	4.852	7.559	4.620	4.433	4.364	4.369	4.350	1.3068	1.2771	1.1112	1.1171	1.1133	1.1154
4331116	4332116	12993348	12999348	9.884	5.898	4.929	4.875	4.868	4.852	7.561	4.618	4.435	4.363	4.371	4.349	1.3072	1.2772	1.1114	1.1174	1.1137	1.1157
4885002	4886002	14655006	14661006	9.873	5.892	4.923	4.871	4.862	4.847	7.555	4.615	4.431	4.359	4.367	4.345	1.3068	1.2767	1.1110	1.1175	1.1134	1.1155
5209020	5210020	15627060	15633060	9.867	5.891	4.922	4.871	4.861	4.847	7.551	4.614	4.430	4.359	4.366	4.345	1.3067	1.2768	1.1111	1.1175	1.1134	1.1155
6286862	6287862	18860586	18866586	9.891	5.901	4.930	4.877	4.869	4.853	7.565	4.620	4.436	4.363	4.373	4.349	1.3075	1.2773	1.1114	1.1178	1.1134	1.1159
7676777	7677777	23030331	23036331	9.878	5.897	4.925	4.874	4.863	4.849	7.557	4.617	4.432	4.361	4.367	4.346	1.3071	1.2772	1.1112	1.1176	1.1136	1.1157
8388608	8389608	25165824	25171824	9.880	5.901	4.926	4.876	4.865	4.852	7.559	4.621	4.434	4.364	4.370	4.350	1.3071	1.2770	1.1110	1.1173	1.1133	1.1154
Standard Deviation				0.008	0.004	0.003	0.002	0.003	0.003	0.004	0.003	0.002	0.002	0.003	0.002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002
Average Jacobi ops to find 1st v(1)				9.879	5.897	4.926	4.874	4.865	4.850	7.558	4.618	4.433	4.362	4.369	4.348	1.3070	1.2770	1.1112	1.1174	1.1134	1.1156

Known 1st v(1) sorted by v(1) - even in BOLD	3, 5, 9, 11, 15, 17, **20**, 21, 27, 29, **32**, 35, **36**, 39, 41, **44**, 45, 49, 51, 55, **56**, 57, 59, 65, **66**, 67, 69, 71, **72**, **74**, 77, **80**, 81, **84**, 87, **90**, 95, 99, 101, **104**, 105, 109, 111, **116**, 125, 135
Odd Known 1st v(1) sorted by v(1)	3, 5, 9, 11, 15, 17, 21, 27, 29, 31, 35, 39, 41, 45, 49, 51, 53, 55, 57, 59, 65, 67, 69, 71, 77, 81, 83, 85, 87, 95, 99, 101, 105, 107, 109, 111, 125, 129, 135, 139, 141, 149, 155, 165
Known 1st v(1) rev sorted by freq - out of order in red	3, 5, 9, 11, 15, 17, 21, 29, **20**, 27, 35, 36, 39, 41, 45, **32**, 51, **44**, 56, **49**, 59, **57**, 65, **55**, 69, 71, 77, **66**, 81, 95, **72**, 80, **67**, 99, **84**, **74**, 90, 104, 105, **87**, 116, **101**, 109, 125, **111**, 135
Odd Known 1st v(1) rev sorted by freq - out of order in red	3, 5, 9, 11, 15, 17, 21, 29, **27**, 35, 39, 41, **31**, 45, 51, 55, **49**, 59, 69, 71, **65**, **57**, 85, **81**, 95, 99, **77**, **53**, 67, 105, **101**, 109, 125, **87**, 129, **83**, 111, 155, **107**, 135, 139, 141, 149, 165
Validated primes 1st v(1) rev sorted by freq - out of order in red	3, 5, 9, 11, 15, 17, 21, 27, 29, 35, 39, 41, 45, 51, 57, 59, 65, 69, 81
Sample Jacobi line	3248337 4331118 ++++-+0++-0+-0-+-++-000++-+0--++0-0+-+---0-0-0++0+--++00+----+0++0+-00-++-++0-+-+-+0+--0--00++-++00++-+-0+-++0-0++0---0-0--+-0-+-+-00+---0-0+-0+++0-++++-0--++++0++-0+-

More Riesel test numbers h * 2^n-1				More No Jacobi cache Average Jacobi ops to find 1st v(1)						More Jacobi cache Average Jacobi ops to find 1st v(1)						More Cache advantage Jacobi cache / No Jacobi cache					
[n, n+1000)		h = 3*base_n [h, h+6000)		search starting at 3		sorted by v(1)		reverse sort by freq		search starting at 3		sorted by v(1)		reverse sort by freq		search starting at 3		sorted by v(1)		reverse sort by freq	
base_n	n_beyond	hase_h	h_beyond	integer search 1st v(1)	odd search 1st v(1)	known 1st v(1)	odd known 1st v(1)	known 1st v(1)	odd known 1st v(1)	integer search 1st v(1)	odd search 1st v(1)	known 1st v(1)	odd known 1st v(1)	known 1st v(1)	odd known 1st v(1)	integer search 1st v(1)	odd search 1st v(1)	known 1st v(1)	odd known 1st v(1)	known 1st v(1)	odd known 1st v(1)
1391827	1392827	4175481	4181481	9.865	5.889	4.920	4.869	4.861	4.845	7.550	4.612	4.428	4.357	4.365	4.343	1.3066	1.2769	1.1111	1.1175	1.1136	1.1156
3727058	3728058	11181174	11187174	9.892	5.903	4.930	4.877	4.868	4.852	7.566	4.622	4.437	4.364	4.373	4.350	1.3074	1.2772	1.1111	1.1176	1.1132	1.1154
5718259	5719259	17154777	17160777	9.888	5.903	4.929	4.877	4.866	4.852	7.564	4.621	4.436	4.365	4.370	4.350	1.3072	1.2774	1.1111	1.1173	1.1135	1.1154
12776050	12777050	38328150	38334150	9.849	5.876	4.915	4.861	4.854	4.838	7.541	4.604	4.423	4.351	4.359	4.337	1.3061	1.2763	1.1112	1.1172	1.1136	1.1155
23059373	23060373	69178119	69184119	9.849	5.882	4.914	4.864	4.855	4.841	7.540	4.609	4.422	4.354	4.361	4.340	1.3062	1.2762	1.1113	1.1171	1.1133	1.1154
56126460	56127460	168379380	168385380	9.876	5.892	4.924	4.872	4.862	4.849	7.556	4.615	4.431	4.360	4.366	4.346	1.3070	1.2767	1.1113	1.1174	1.1136	1.1157
132174368	132175368	396523104	396529104	9.876	5.893	4.925	4.872	4.865	4.849	7.557	4.616	4.433	4.361	4.369	4.348	1.3069	1.2766	1.1110	1.1172	1.1135	1.1152
Standard Deviation				0.017	0.010	0.006	0.006	0.005	0.005	0.010	0.006	0.006	0.005	0.005	0.005	0.0005	0.0004	0.0001	0.0002	0.0002	0.0002
Average Jacobi ops to find 1st v(1)				9.871	5.891	4.922	4.870	4.862	4.847	7.553	4.614	4.430	4.359	4.366	4.345	1.3068	1.2768	1.1112	1.1173	1.1135	1.1155
Small Validated Riesel primes				10.138	6.069	5.045	4.939	4.955	4.922	7.636	4.660	4.537	4.418	4.451	4.415	1.3277	1.3024	1.1120	1.1179	1.1132	1.1148
Large Validated Riesel primes				10.615	6.308	5.215	5.093	5.115	5.076	7.910	4.792	4.673	4.538	4.576	4.536	1.3420	1.3164	1.1160	1.1223	1.1178	1.1190
All Validated Riesel primes				10.404	6.202	5.140	5.025	5.044	5.008	7.789	4.660	4.612	4.484	4.520	4.415	1.3357	1.3104	1.1145	1.1207	1.1159	1.1174