

Vulnerabilidade do Meio

A vulnerabilidade do meio foi baseada na criticidade quali-quantitativa, no cenário de vazão de referencia $Q_{7,10}$ para o ano de 2023, das mais de 3.000 ottobacias nível 8 que compõe o território do Estado de São Paulo. Todas as premissas técnicas utilizadas para criação do cenário de referencia e classificação destas áreas podem ser obtidas no [PROGNÓSTICO DA SITUAÇÃO DOS RECURSOS HÍDRICOS - SUBSÍDIOS TÉCNICOS PARA O PERH 2020-2023](#), elaborado no âmbito do empreendimento FEHIDRO denominado “Subsídios técnicos para o Plano Estadual de Recursos Hídricos (PERH) 2020-2023”, adjudicado pela antiga Secretaria de Estado de Saneamento e Recursos Hídricos (SSRH), por meio do contrato SSRH n° 006/2018. Mais informações podem ser obtidas em <http://www.sigrh.sp.gov.br/perh20202023>.

Para fins de Elaboração e Implementação do Plano de Automonitoramento de Efluentes Líquidos de Empreendimentos licenciados pela CETESB, deverá ser levada em consideração a classificação da vulnerabilidade do meio onde está inserido o corpo receptor dos efluentes líquidos do STEL. A classificação destas áreas é feita considerando o índice de criticidade quantitativa reservação – ISR e o índice de criticidade de qualidade – IQ.

Para aplicação deste critério o empreendimento deverá utilizar as coordenadas geográficas do(s) ponto(s) de lançamento para selecionar a(s) ottobacia(s). Caso os pontos de lançamento se situem em mais de uma ottobacia, deverá ser assumido o maior valor de criticidade, conforme tabela 1 a seguir:

Tabela 01 – Classificação da Vulnerabilidade

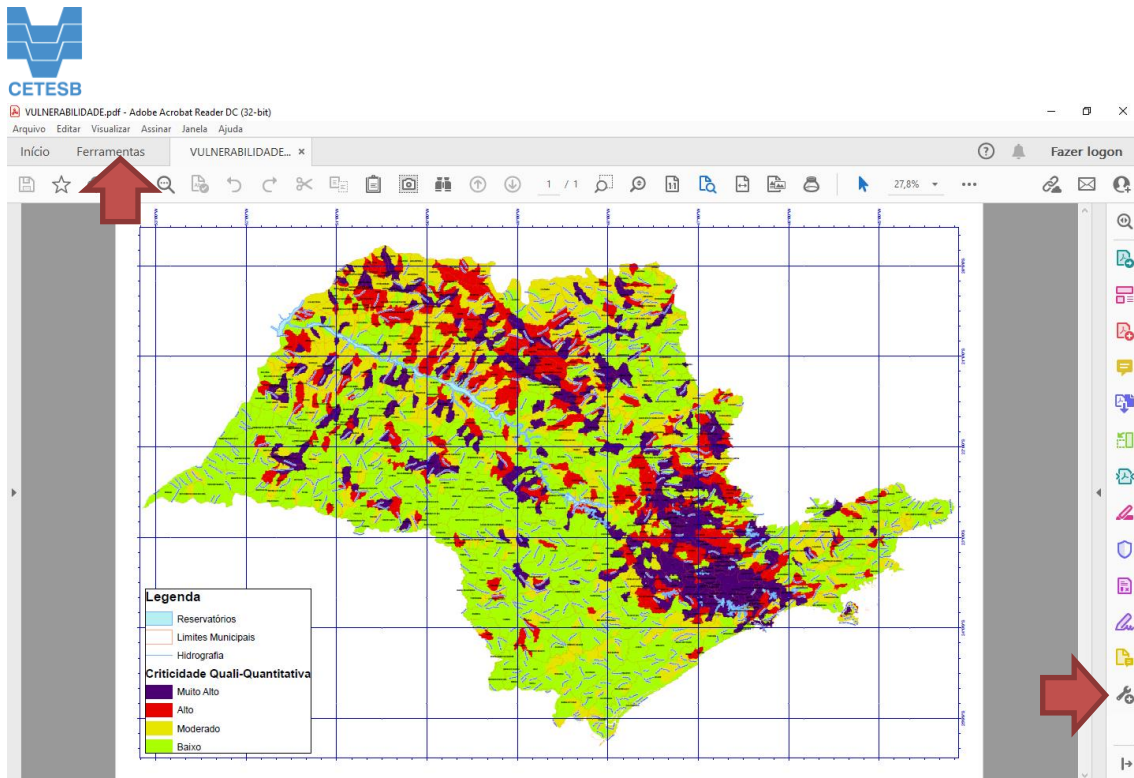
Característica avaliada	Parâmetro	Muito Alto	Alto	Moderado	Baixo
Vulnerabilidade	Criticidade do corpo de água	Quando o lançamento ocorrer em ottotrecho com $70% < ISR \leq 100%$ ou $IQ > 200%$	Quando o lançamento ocorrer em ottotrecho com $40% < ISR \leq 70%$ ou $100% < IQ \leq 200%$	Quando o lançamento ocorrer em ottotrecho com $20% < ISR \leq 40%$ ou $70% < IQ \leq 100%$	Quando o lançamento ocorrer em ottotrecho com $ISR \leq 20%$ e $IQ \leq 70%$

As referencias geográficas para identificação das ottobacias e também das áreas já classificadas de acordo com sua vulnerabilidade podem ser acessadas por meio de:

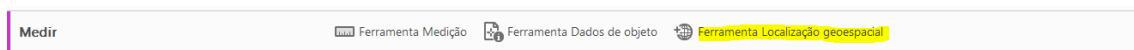
- Arquivo em formato pdf, a ser acessado por meio do software da Adobe (<https://www.adobe.com/br/> em suas versões gratuita ou não).

Com o arquivo [VULNERABILIDADE.pdf](#) e o compatível software, o usuário é capaz de identificar qual a vulnerabilidade das áreas do Estado de São Paulo. O arquivo carrega informações de georreferenciamento que podem ser exploradas por meio do software. Para tanto o usuário deverá habilitar algumas funções dentro do próprio software após ter aberto o arquivo, como descrito a seguir:

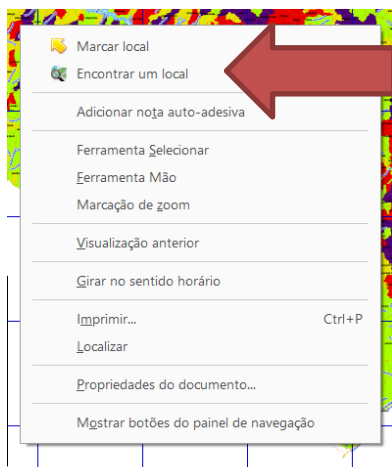
- a. Abra o arquivo e habilite a ferramenta “MEDIR”



b. Acione a “FERRAMENTA LOCALIZAÇÃO GEOESPACIAL”



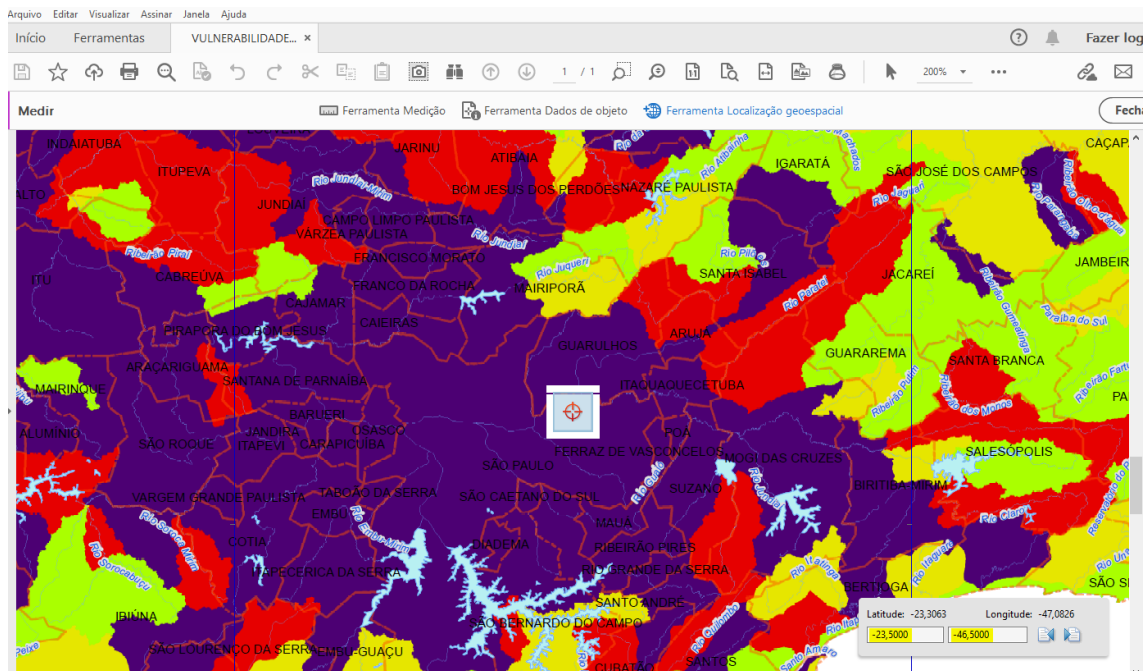
c. Sobre a figura acione o botão direito do mouse e selecione “ENCONTRAR UM LOCAL”



d. Digite as coordenadas em formato decimal do local de interesse, lembrando que devem ser negativas devido a localização de São Paulo em função do globo

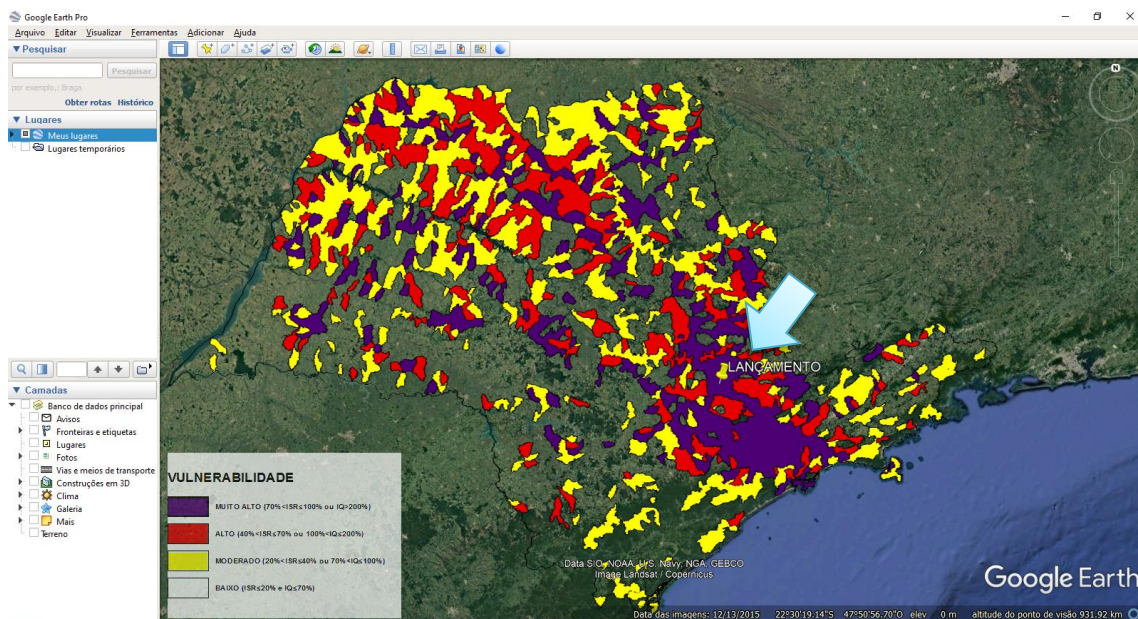


terrestre. O software indicará a posição conforme coordenadas informadas e o usuário poderá identificar a condição de vulnerabilidade no entorno desta localização.

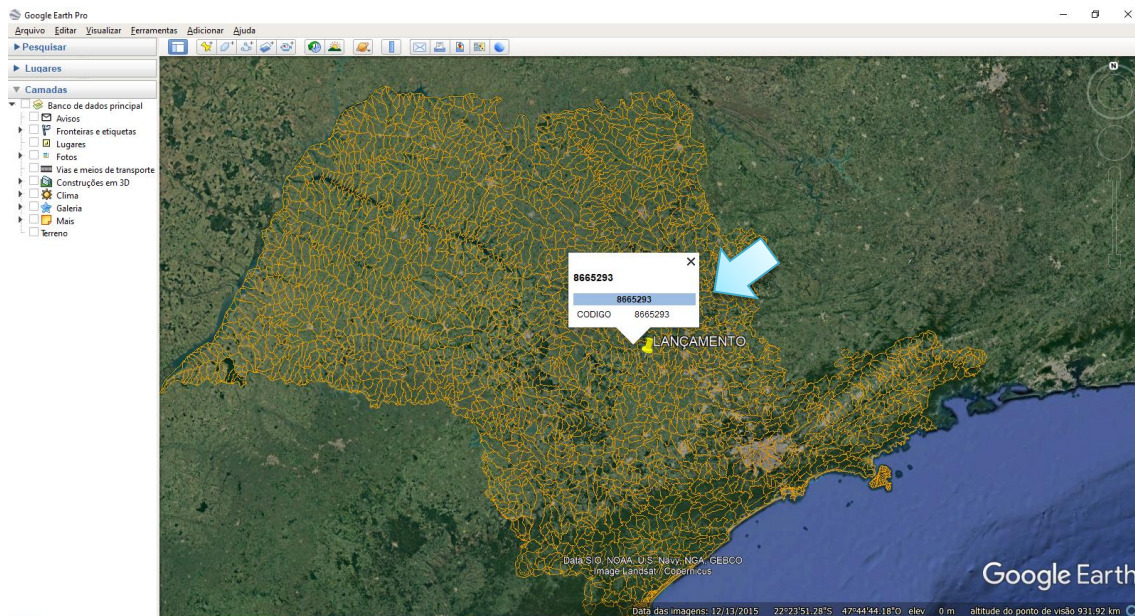


- Arquivos em formato kmz, a ser acessado por meio do software Google Earth (<https://www.google.com.br/earth/>), preferencialmente em sua versão desktop.

O arquivo [VULNERABILIDADE.kmz](#), trás as delimitações das áreas segundo os critérios já mencionados. O software proporciona recursos de navegação e localização por meio de coordenadas e com a sobreposição dos polígonos das áreas é possível identificar a vulnerabilidade do local onde ocorre o lançamento dos efluentes.



No arquivo [LIMITES DAS OTTOBACIAS.kmz](#), também acessado por meio do software Google Earth, estão os limites e identificação de cada uma das ottobacias. Com a informação do local de lançamento dos efluentes pode-se identificar o código da ottobacia onde isto ocorre.



Na tabela 2 a seguir são apresentados os índices ISR e IQ, sendo estes utilizados para a classificação das áreas segundo sua vulnerabilidade.

Tabela 02 – Ottobacias e Índices (ISR e IQ)

Ottobacias	ISR (%)	IQ (%)
8673	27	1
86413	4	2
86417	4	5
86431	4	6
86433	3	6
86437	3	9
86439	3	10
86451	3	11
86452	0	35
86468	8	34
86471	1	13
86473	1	14
86475	1	16
86477	1	16
86479	1	17
86497	13	13
86511	10	1

Ottobacias	ISR (%)	IQ (%)
86535	10	5
86551	10	8
86553	10	8
86554	15	37
86555	10	9
86567	21	25
86571	9	10
86575	9	12
86578	43	90
86579	9	15
86591	9	17
86593	9	17
86621	18	14
86623	17	21
86624	21	39
86625	17	22
86628	18	> 200

Ottobacias	ISR (%)	IQ (%)
86629	17	> 200
86631	3	29
86632	26	60
86633	3	30
86643	22	31
86644	47	110
86645	19	48
86646	36	43
86651	2	31
86655	1	54
86667	44	> 200
86671	17	125
86673	17	172
86674	5	29
86678	16	47
86683	37	186
86685	38	92



Ottobacias	ISR (%)	IQ (%)
86711	27	1
86713	27	1
86715	27	1
86716	54	40
86722	22	176
86726	63	55
86727	40	21
86751	27	1
86753	27	1
86755	27	1
86756	23	38
86757	27	1
86771	27	1
86772	> 100	38
86773	27	2
86774	10	37
86775	27	2
86781	35	46
86782	29	65
86784	38	58
86785	38	67
86786	46	42
86787	37	91
86788	7	42
86789	27	104
86791	27	1
86792	5	137
86793	27	1
86794	7	> 200
86795	27	1
86819	26	1
86837	24	13
86839	24	14
86851	24	13
86853	24	15
86863	16	29
86865	14	32
778926	0	46
778927	0	50
778928	0	50
778929	0	50
778945	1	66
778946	0	47
778947	2	75

Ottobacias	ISR (%)	IQ (%)
778959	3	71
778961	0	66
778962	5	131
778963	19	133
778965	2	56
778968	1	67
778969	2	67
778972	2	126
778973	1	41
778974	1	50
778975	0	66
778976	6	40
778977	0	> 70
778978	1	40
778979	0	74
778981	2	46
778982	4	66
778983	1	46
778985	1	45
778986	1	94
778987	2	47
778988	0	> 70
778992	1	66
778993	3	41
778994	2	63
778997	3	77
779399	6	28
779411	6	17
779413	6	18
779417	6	22
779418	0	57
779419	6	22
779422	0	42
779424	2	42
779425	18	57
779426	0	66
779427	> 20	59
779431	6	26
779432	0	56
779433	6	26
779434	1	47
779435	6	26
779441	10	33
779443	10	33

Ottobacias	ISR (%)	IQ (%)
779447	18	37
779451	1	21
779456	0	43
779463	1	44
779465	0	47
779512	3	44
779513	0	40
779514	0	71
779515	0	41
864121	5	26
864124	6	65
864125	8	112
864126	10	44
864127	12	181
864128	27	39
864129	3	> 200
864153	4	3
864181	7	33
864182	4	41
864184	6	41
864185	10	51
864186	4	38
864187	11	54
864193	4	5
864195	4	5
864198	3	37
864199	4	6
864323	29	28
864325	17	34
864341	3	46
864342	3	53
864343	3	42
864351	3	7
864352	2	39
864353	3	7
864355	3	8
864357	3	8
864359	3	9
864361	10	55
864362	0	29
864363	26	95
864531	3	12
864532	0	40
864533	3	12



Ottobacias	ISR (%)	IQ (%)
864541	3	64
864542	1	108
864543	4	45
864544	4	38
864545	3	44
864546	1	48
864547	3	41
864551	3	13
864552	42	> 200
864553	2	11
864555	2	11
864557	2	12
864561	19	94
864562	51	87
864563	5	96
864571	2	12
864573	2	14
864582	2	41
864583	2	39
864584	1	40
864585	2	43
864586	2	39
864587	2	49
864588	2	41
864589	3	54
864591	2	14
864592	10	49
864593	2	14
864611	8	25
864612	4	45
864613	8	25
864621	5	17
864623	5	23
864625	6	26
864628	5	40
864632	5	42
864633	8	26
864634	1	57
864636	3	46
864637	8	32
864638	3	48
864641	12	91
864642	17	> 200
864643	11	79

Ottobacias	ISR (%)	IQ (%)
864644	19	> 200
864645	9	64
864646	7	43
864647	9	89
864648	7	43
864649	10	125
864651	7	22
864652	0	43
864653	7	22
864661	2	29
864662	1	44
864663	2	32
864664	3	41
864665	2	32
864666	0	45
864667	3	41
864668	3	43
864671	11	25
864672	5	36
864673	12	30
864674	10	43
864675	10	35
864691	10	41
864692	5	43
864693	11	45
864694	4	47
864695	8	45
864811	8	17
864813	8	17
864814	7	50
864815	8	15
864817	8	18
864821	9	20
864822	10	34
864823	9	24
864824	10	43
864825	9	24
864826	12	77
864831	6	17
864833	6	18
864835	6	21
864837	5	23
864851	6	28
864852	2	42

Ottobacias	ISR (%)	IQ (%)
864853	5	34
864855	6	42
864871	6	43
864872	2	42
864873	6	58
864874	7	40
864875	5	82
864891	4	93
864892	11	108
864894	0	42
864895	0	40
864912	4	47
864916	6	62
864918	7	56
864919	14	22
864921	17	19
864926	16	46
864927	16	37
864928	7	24
864931	13	26
864935	12	8
864936	7	38
864937	12	9
864938	4	37
864941	3	28
864943	3	27
864945	1	32
864946	0	38
864947	2	43
864948	3	42
864949	2	44
864951	12	10
864952	38	81
864953	11	12
864955	10	12
864957	10	15
864961	6	22
864966	6	84
864967	0	41
864968	1	41
864969	1	41
864981	14	18
864982	5	36
864984	10	97



Ottobacias	ISR (%)	IQ (%)
864991	11	15
864992	8	24
864995	12	30
864998	31	80
865131	10	1
865132	3	42
865133	10	1
865156	3	36
865157	10	2
865161	4	40
865162	1	43
865163	5	42
865164	7	44
865165	4	42
865166	3	43
865167	4	41
865171	10	3
865173	10	3
865175	10	3
865177	10	3
865179	10	3
865181	17	52
865182	2	48
865186	39	39
865188	5	91
865191	10	3
865193	10	3
865311	10	3
865312	19	47
865313	10	4
865314	2	52
865315	10	4
865331	10	4
865332	3	40
865333	10	4
865334	10	36
865335	10	4
865337	10	5
865371	10	5
865372	2	41
865373	10	6
865381	16	148
865382	9	45
865383	18	> 200

Ottobacias	ISR (%)	IQ (%)
865384	29	42
865385	12	> 200
865386	9	> 200
865387	17	> 200
865391	10	6
865393	10	6
865394	13	168
865395	10	7
865612	15	37
865614	33	104
865621	18	50
865622	19	> 200
865623	18	37
865635	20	20
865638	15	40
865641	10	112
865642	8	> 200
865643	11	107
865651	19	24
865652	19	94
865653	19	25
865661	8	38
865662	17	43
865663	6	38
865664	14	42
865665	6	37
865667	5	42
865668	4	58
865669	6	34
865682	9	54
865683	17	101
865684	7	114
865686	69	> 200
865687	4	137
865688	4	113
865689	4	76
865692	14	51
865694	8	40
865697	10	36
865698	18	37
865699	5	35
865731	9	11
865733	9	11
865734	34	36

Ottobacias	ISR (%)	IQ (%)
865735	9	12
865741	28	97
865742	38	40
865743	27	191
865744	14	> 200
865745	29	47
865771	9	13
865773	9	14
866113	1	17
866121	42	97
866122	35	98
866124	33	77
866125	34	36
866126	71	38
866127	21	37
866128	14	38
866129	29	36
866137	4	31
866139	5	11
866141	22	87
866144	19	38
866145	17	117
866147	16	172
866148	27	> 200
866151	5	11
866152	84	154
866153	5	11
866164	25	199
866165	36	63
866167	45	109
866168	31	45
866169	57	145
866171	4	12
866172	49	67
866178	19	60
866179	4	19
866186	10	90
866187	23	34
866191	4	20
866192	40	38
866193	4	20
866194	42	48
866195	3	23
866196	64	29



Ottobacias	ISR (%)	IQ (%)
866197	3	23
866221	22	29
866222	12	39
866224	13	> 200
866225	25	28
866226	14	38
866227	28	34
866228	11	44
866261	12	43
866262	11	44
866263	13	43
866271	17	35
866272	16	42
866273	19	58
866274	22	42
866275	18	> 200
866411	21	29
866412	5	> 200
866413	22	20
866421	12	> 200
866422	7	57
866423	17	37
866471	16	> 70
866472	19	71
866473	15	76
866474	15	40
866475	15	94
866476	23	> 200
866477	13	51
866481	15	142
866482	11	> 200
866483	17	38
866484	35	124
866485	13	33
866492	18	> 200
866493	9	35
866494	9	40
866497	7	46
866498	6	54
866499	7	39
866522	4	36
866523	12	23
866524	5	36
866526	10	71

Ottobacias	ISR (%)	IQ (%)
866528	7	38
866532	9	38
866533	1	40
866534	7	37
866535	1	41
866536	6	46
866537	1	45
866538	16	> 200
866541	31	78
866542	9	36
866543	34	43
866544	65	77
866545	28	88
866546	2	105
866547	63	61
866561	6	> 200
866562	6	> 200
866563	5	25
866564	8	44
866565	5	> 200
866571	0	58
866572	3	> 200
866573	0	58
866574	6	35
866575	0	59
866577	0	64
866578	6	> 200
866579	0	69
866581	13	75
866582	3	56
866583	15	112
866584	2	64
866586	> 100	164
866588	2	42
866589	5	> 200
866591	13	68
866592	4	42
866593	23	69
866594	12	41
866595	23	> 70
866596	7	43
866597	23	85
866611	35	26
866613	35	33

Ottobacias	ISR (%)	IQ (%)
866614	15	149
866615	36	40
866616	3	37
866618	14	137
866621	55	74
866622	26	124
866623	24	81
866624	37	55
866625	24	89
866627	33	197
866632	32	> 200
866635	33	> 200
866636	37	> 200
866637	33	195
866639	36	154
866641	45	> 200
866642	5	> 200
866644	61	183
866647	94	78
866648	1	54
866651	46	165
866653	41	157
866661	27	> 200
866662	28	> 200
866663	27	101
866664	13	87
866665	14	123
866666	10	39
866667	15	189
866668	15	> 200
866669	15	41
866681	14	91
866682	17	66
866683	13	124
866684	10	35
866685	14	145
866686	19	48
866687	14	156
866688	17	78
866692	2	58
866694	99	39
866695	8	> 200
866721	50	36
866722	> 100	> 200



Ottobacias	ISR (%)	IQ (%)
866723	6	36
866751	17	> 200
866752	11	70
866753	17	> 200
866762	6	36
866763	8	28
866764	5	38
866765	9	42
866766	8	> 70
866767	8	43
866768	14	38
866771	17	> 200
866772	6	39
866773	17	> 200
866791	17	> 200
866792	2	86
866793	17	> 200
866794	6	32
866795	17	> 200
866796	9	39
866797	17	> 200
866798	7	36
866799	17	> 200
866811	37	83
866812	14	49
866813	37	129
866814	17	> 200
866815	36	177
866821	11	54
866822	14	52
866823	9	34
866841	31	> 200
866842	41	94
866843	10	> 200
866861	25	28
866862	9	76
866863	23	30
866864	12	60
866865	25	33
866866	5	62
866871	44	> 200
866872	90	> 200
866873	43	> 200
866881	41	> 200

Ottobacias	ISR (%)	IQ (%)
866882	> 100	> 200
866883	40	> 200
866884	5	61
866885	43	> 200
866891	35	175
866892	> 100	40
866893	45	135
866895	54	> 200
866896	48	63
866897	13	> 200
866911	12	> 200
866912	14	36
866913	12	> 200
866922	34	86
866923	49	146
866925	44	197
866926	> 100	109
866927	33	> 200
866928	0	> 200
866929	43	> 200
866933	8	> 200
866934	39	39
866936	39	> 200
866937	8	> 200
866938	19	> 200
866939	8	> 200
866941	50	78
866943	51	85
866944	53	105
866945	45	95
866946	> 100	65
866947	75	110
866948	37	102
866949	85	> 200
866951	3	> 200
866952	> 100	> 200
866953	3	> 200
866954	32	> 200
866955	2	> 200
866956	97	104
866957	2	> 200
866958	1	34
866961	24	> 200
866962	47	> 200

Ottobacias	ISR (%)	IQ (%)
866963	22	> 200
866964	1	> 200
866965	21	> 200
866966	0	82
866967	1	57
866971	> 20	> 200
866973	21	> 200
866981	0	> 200
866982	0	> 200
866983	0	> 200
866985	69	> 200
866986	11	> 200
866987	0	> 200
866988	0	> 200
866989	1	79
866991	31	> 200
866995	98	109
866996	99	> 200
866998	1	111
867171	27	2
867172	62	40
867173	27	2
867191	27	2
867192	34	63
867193	27	2
867212	17	42
867214	6	132
867215	35	26
867216	16	44
867218	46	35
867219	36	39
867231	37	29
867232	8	142
867233	38	25
867241	10	128
867242	3	43
867243	13	169
867251	> 40	22
867252	15	128
867253	42	21
867281	31	79
867282	61	40
867283	11	93
867291	41	21



Ottobacias	ISR (%)	IQ (%)
867292	20	43
867294	30	79
867296	21	78
867298	26	41
867831	38	56
867832	14	43
867833	38	59
868111	27	1
868113	27	1
868114	72	41
868115	27	1
868116	21	35
868117	27	1
868119	27	1
868121	69	60
868122	37	56
868123	75	89
868124	83	144
868125	75	53
868131	26	1
868132	61	44
868133	26	1
868135	26	1
868139	26	1
868141	60	> 200
868142	39	40
868143	51	> 200
868144	> 20	40
868145	70	> 200
868146	36	39
868147	84	> 200
868151	26	1
868158	23	28
868159	26	1
868171	26	1
868173	26	1
868175	26	1
868176	34	41
868177	26	1
868181	34	50
868183	35	99
868185	40	44
868187	51	151
868189	29	> 200

Ottobacias	ISR (%)	IQ (%)
868211	45	6
868213	46	7
868214	64	32
868215	45	14
868223	27	38
868228	26	116
868232	25	41
868234	44	> 200
868235	51	30
868236	24	41
868238	32	39
868239	51	46
868241	49	> 200
868242	14	> 200
868243	58	80
868244	41	41
868245	53	85
868246	42	40
868247	59	> 200
868251	52	51
868253	52	40
868254	39	39
868255	52	45
868256	19	42
868257	54	53
868261	51	129
868262	9	140
868263	64	> 200
868271	55	50
868272	14	156
868273	58	69
868281	54	87
868282	12	38
868283	58	172
868284	18	43
868285	65	> 200
868286	81	74
868287	69	192
868288	28	> 200
868289	79	29
868291	66	78
868292	74	198
868293	65	84
868294	66	42

Ottobacias	ISR (%)	IQ (%)
868295	65	109
868296	65	130
868297	65	127
868298	56	162
868299	65	101
868311	24	1
868313	24	1
868315	24	1
868331	24	1
868332	46	38
868333	24	1
868334	42	40
868335	24	1
868337	24	1
868339	24	2
868353	24	2
868411	24	15
868418	26	> 200
868434	47	43
868435	34	64
868437	34	67
868438	16	53
868439	34	71
868441	34	> 200
868442	7	43
868443	7	51
868444	7	44
868445	7	75
868446	10	112
868447	5	38
868451	34	64
868461	26	43
868464	13	> 200
868465	22	> 200
868466	10	117
868471	42	51
868473	43	60
868477	51	188
868481	29	135
868611	21	28
868612	22	> 200
868614	33	32
868621	7	> 200
868622	9	72



Ottobacias	ISR (%)	IQ (%)
868623	6	> 200
868641	18	39
868642	12	36
868643	20	58
868644	25	179
868645	13	36
868661	5	52
868662	5	39
868663	5	27
868664	7	60
868665	5	29
868666	5	83
868667	5	19
868668	5	41
868669	4	23
868671	22	27
868672	12	39
868673	6	31
868681	6	37
868692	2	40
868693	6	33
868694	7	39
868695	6	51
868713	29	15
868715	29	18
868719	29	30
868721	36	> 200
868722	57	46
868723	35	> 200
868724	40	33
868725	33	> 200
868726	27	39
868727	> 40	41
868728	26	47
868729	26	36
868733	27	34
868737	26	32
868741	45	62
868743	45	95
868744	6	59
868745	63	130
868746	3	> 200
868747	1	51
868748	3	51

Ottobacias	ISR (%)	IQ (%)
868749	3	51
7789422	2	46
7789423	0	47
7789441	0	45
7789442	0	45
7789443	0	45
7789536	1	40
7789541	5	63
7789542	1	42
7789543	7	110
7789544	1	71
7789545	14	153
7789551	7	53
7789554	22	57
7789556	46	68
7789558	9	23
7789561	30	> 200
7789562	1	65
7789563	42	40
7789564	2	48
7789565	2	38
7789566	3	37
7789567	2	38
7789571	5	68
7789572	4	59
7789573	5	> 70
7789574	31	30
7789576	3	138
7789577	4	73
7789578	3	> 200
7789579	4	71
7789581	3	85
7789582	1	56
7789583	3	76
7789641	10	> 200
7789642	2	62
7789643	29	128
7789661	1	62
7789662	3	74
7789663	1	56
7789671	2	64
7789672	1	72
7789673	2	67
7789711	4	71

Ottobacias	ISR (%)	IQ (%)
7789712	3	> 200
7789713	2	67
7789714	2	40
7789715	0	37
7789716	1	98
7789717	0	39
7789718	2	40
7789719	0	41
7789841	1	78
7789842	1	61
7789843	2	96
7789844	0	119
7789845	3	79
7789891	1	57
7789892	0	71
7789893	1	65
7789894	2	67
7789895	2	63
7789911	1	78
7789912	4	85
7789913	3	29
7789914	3	71
7789915	3	38
7789951	3	47
7789952	1	62
7789953	3	53
7789954	5	95
7789955	2	61
7789956	1	62
7789957	3	65
7789961	2	104
7789962	1	64
7789963	2	117
7789964	1	67
7789965	2	58
7789981	2	68
7789982	2	73
7789983	1	65
7789992	1	64
7789993	4	57
7789994	1	71
7789995	5	65
7789996	0	64
7789997	6	70



Ottobacias	ISR (%)	IQ (%)
7789998	15	97
7793918	0	44
7793924	0	75
7793925	0	73
7793926	0	74
7793927	0	49
7793928	0	50
7793929	0	49
7793934	0	80
7793935	9	9
7793936	0	76
7793937	9	10
7793938	29	125
7793939	9	14
7793941	7	45
7793943	2	45
7793944	5	78
7793945	0	73
7793955	6	15
7793957	6	29
7793958	16	> 200
7793959	5	21
7793961	5	50
7793963	9	44
7793964	1	52
7793965	12	43
7793966	13	81
7793967	11	67
7793971	5	14
7793973	5	13
7793974	0	79
7793975	5	23
7793981	0	70
7793983	0	75
7793984	0	72
7793985	0	77
7794121	1	38
7794122	6	41
7794123	0	39
7794124	0	42
7794125	0	62
7794141	1	42
7794142	1	41
7794143	0	44

Ottobacias	ISR (%)	IQ (%)
7794144	0	44
7794145	0	43
7794151	6	20
7794152	0	41
7794153	6	23
7794161	0	74
7794162	0	76
7794163	0	44
7794211	12	40
7794212	0	49
7794213	13	46
7794231	14	51
7794232	0	45
7794233	16	54
7794281	2	44
7794282	0	45
7794283	0	45
7794284	0	74
7794285	0	76
7794291	32	77
7794292	0	44
7794293	1	41
7794421	0	45
7794422	0	47
7794423	0	73
7794441	0	42
7794442	0	72
7794443	0	69
7794451	11	34
7794452	1	44
7794453	12	37
7794461	1	43
7794462	0	59
7794464	0	46
7794465	1	45
7794467	0	42
7794468	0	> 70
7794481	0	46
7794482	0	69
7794483	0	44
7794484	0	46
7794485	0	45
7794486	0	47
7794487	0	44

Ottobacias	ISR (%)	IQ (%)
7794492	0	42
7794494	0	44
7794496	> 100	74
7794497	2	96
7794521	0	44
7794522	0	45
7794523	0	45
7794524	0	47
7794525	0	73
7794531	0	21
7794532	0	47
7794533	0	24
7794534	0	43
7794535	0	25
7794541	0	45
7794542	0	75
7794543	0	45
7794551	0	25
7794552	0	44
7794553	0	25
7794571	0	26
7794572	0	47
7794573	0	27
7794581	0	42
7794582	0	46
7794583	0	44
7794584	0	75
7794585	0	77
7794586	0	77
7794587	0	77
7794591	1	29
7794593	1	29
7794594	0	46
7794595	1	30
7794611	0	34
7794613	0	39
7794615	0	40
7794616	0	77
7794617	0	39
7794621	0	40
7794622	0	74
7794623	0	45
7794624	0	76
7794625	0	76



Ottobacias	ISR (%)	IQ (%)
7794626	0	76
7794627	0	76
7794661	0	80
7794663	0	80
7794711	1	31
7794713	1	33
7794719	0	38
7794721	0	39
7794722	0	45
7794723	0	46
7794724	0	46
7794725	1	47
7794726	0	48
7794727	1	46
7794731	0	40
7794733	0	41
7794734	0	45
7794735	0	41
7794736	0	46
7794737	0	38
7794741	0	41
7794743	0	49
7794744	0	50
7794745	0	49
7795111	1	34
7795112	0	42
7795113	1	36
7795114	0	39
7795115	1	41
7795161	0	75
7795162	0	77
7795163	0	44
7795171	0	46
7795172	0	46
8641113	4	1
8641115	4	1
8641131	4	1
8641133	4	1
8641134	8	42
8641135	4	1
8641136	8	40
8641137	4	2
8641154	3	39
8641155	4	2

Ottobacias	ISR (%)	IQ (%)
8641158	2	60
8641171	4	2
8641173	4	2
8641191	4	2
8641193	4	3
8641197	4	3
8641198	3	31
8641199	4	3
8641221	3	36
8641222	3	41
8641223	2	35
8641231	6	47
8641232	0	45
8641233	7	56
8641511	4	3
8641513	4	3
8641514	0	56
8641515	4	3
8641541	2	81
8641542	4	41
8641543	3	108
8641551	4	3
8641552	2	40
8641553	4	3
8641555	4	3
8641556	1	37
8641557	4	4
8641559	4	4
8641571	4	4
8641572	3	37
8641573	4	4
8641575	4	4
8641577	4	4
8641581	23	38
8641582	2	42
8641583	29	39
8641584	8	38
8641585	38	46
8641586	5	43
8641587	7	48
8641591	4	4
8641592	2	40
8641593	4	5
8641831	7	39

Ottobacias	ISR (%)	IQ (%)
8641832	1	99
8641833	8	46
8641881	4	48
8641882	3	51
8641883	4	46
8641891	4	44
8641892	5	45
8641893	3	43
8641911	4	5
8641912	5	87
8641913	4	5
8641915	4	5
8641921	4	43
8641922	2	46
8641923	5	41
8641971	4	5
8641972	4	102
8641973	4	6
8643211	22	24
8643212	5	39
8643213	24	28
8643221	8	88
8643222	3	44
8643223	8	117
8643224	12	> 200
8643225	3	53
8643226	5	44
8643227	2	65
8643228	3	45
8643229	2	80
8643241	64	44
8643242	5	44
8643243	> 100	59
8643244	9	39
8643245	11	74
8643261	26	119
8643262	2	> 200
8643263	73	46
8643271	16	35
8643272	9	54
8643273	13	33
8643281	18	23
8643282	4	42
8643283	3	45



Ottobacias	ISR (%)	IQ (%)
8643291	13	34
8643292	4	42
8643293	15	37
8643294	4	40
8643295	4	40
8643296	3	42
8643297	5	41
8643298	2	44
8643299	7	39
8645811	3	32
8645812	10	46
8645813	2	30
8646221	2	42
8646222	1	43
8646223	2	42
8646241	3	37
8646242	1	45
8646243	3	40
8646245	2	43
8646246	2	43
8646247	2	58
8646248	2	72
8646249	3	44
8646261	7	40
8646262	4	34
8646263	9	48
8646264	2	42
8646265	14	53
8646266	9	43
8646267	15	49
8646271	6	28
8646272	1	40
8646273	7	31
8646274	3	51
8646276	6	41
8646277	5	35
8646278	6	41
8646291	6	40
8646292	4	43
8646293	7	40
8646311	10	25
8646312	0	135
8646313	8	26
8646351	8	28

Ottobacias	ISR (%)	IQ (%)
8646352	7	45
8646353	8	31
8646391	8	36
8646392	1	41
8646393	9	38
8646691	4	43
8646692	6	43
8646693	5	42
8648271	9	22
8648272	14	40
8648273	9	23
8648274	5	42
8648275	10	29
8648281	15	42
8648282	8	41
8648283	10	43
8648291	8	33
8648292	12	41
8648293	7	38
8648294	11	42
8648295	2	38
8648296	3	39
8648297	1	37
8648931	1	102
8648933	1	102
8648961	0	45
8648962	1	47
8648963	0	44
8649111	1	19
8649112	0	150
8649113	1	20
8649114	7	41
8649115	1	20
8649116	13	75
8649117	0	21
8649131	0	22
8649132	24	42
8649133	0	23
8649141	11	74
8649142	14	42
8649143	8	95
8649151	0	23
8649152	3	39
8649153	0	27

Ottobacias	ISR (%)	IQ (%)
8649154	17	44
8649155	0	28
8649171	0	31
8649172	3	41
8649173	6	31
8649221	17	44
8649222	10	40
8649223	18	44
8649224	> 20	42
8649225	11	40
8649232	16	42
8649233	17	19
8649234	21	116
8649235	17	18
8649236	31	40
8649237	17	18
8649238	16	43
8649239	17	22
8649241	15	40
8649242	14	42
8649243	17	38
8649251	17	22
8649252	51	38
8649253	16	25
8649254	19	44
8649255	16	27
8649291	20	48
8649292	17	41
8649293	20	53
8649295	20	60
8649296	34	185
8649297	17	47
8649298	3	45
8649321	10	77
8649322	14	42
8649323	12	93
8649331	13	31
8649332	7	46
8649333	13	33
8649341	46	> 200
8649342	22	43
8649343	37	42
8649391	11	9
8649392	7	40



Ottobacias	ISR (%)	IQ (%)
8649393	11	9
8649394	2	41
8649395	11	9
8649396	0	40
8649397	11	9
8649398	3	42
8649399	11	10
8649421	2	41
8649422	3	41
8649423	3	41
8649441	6	37
8649442	6	42
8649443	1	36
8649541	71	39
8649542	65	39
8649543	79	39
8649561	12	52
8649562	4	> 200
8649563	9	38
8649564	10	37
8649565	7	54
8649566	23	40
8649567	3	58
8649568	3	39
8649569	3	61
8649621	10	35
8649622	24	39
8649623	6	41
8649624	11	40
8649625	3	42
8649631	5	27
8649632	2	47
8649633	5	27
8649641	5	43
8649642	15	43
8649643	2	48
8649644	1	42
8649645	3	49
8649646	4	42
8649647	4	49
8649648	0	67
8649649	1	37
8649651	4	25
8649652	23	65

Ottobacias	ISR (%)	IQ (%)
8649653	2	28
8649654	6	40
8649655	0	39
8649831	13	22
8649832	10	40
8649833	14	24
8649834	24	95
8649835	13	23
8649851	14	15
8649852	5	43
8649853	14	19
8649854	9	41
8649855	16	20
8649861	6	44
8649862	3	42
8649863	9	46
8649871	18	32
8649872	7	41
8649873	9	33
8649881	10	34
8649882	6	33
8649883	3	35
8649891	8	37
8649892	1	38
8649893	3	40
8649894	1	42
8649895	5	40
8649931	12	15
8649932	2	41
8649933	12	20
8649934	3	40
8649935	12	25
8649936	0	39
8649937	13	27
8649941	14	44
8649942	4	76
8649943	17	30
8649944	5	36
8649945	15	33
8649946	0	35
8649947	22	32
8649961	3	29
8649962	1	26
8649963	2	32

Ottobacias	ISR (%)	IQ (%)
8649964	4	31
8649965	0	56
8649971	22	48
8649972	5	189
8649973	24	32
8649974	38	38
8649975	21	37
8649976	10	35
8649977	24	46
8649991	17	36
8649992	27	38
8649993	6	44
8649994	0	73
8649995	0	73
8651511	10	1
8651512	7	40
8651513	10	1
8651514	4	40
8651515	10	1
8651531	10	2
8651533	10	2
8651534	25	38
8651535	10	2
8651551	10	2
8651553	10	2
8651555	10	2
8651556	1	43
8651557	10	2
8651559	10	2
8651591	10	2
8651592	3	43
8651593	10	2
8651595	10	2
8651596	2	38
8651597	10	2
8651761	3	41
8651762	3	41
8651763	2	41
8651831	19	56
8651832	9	42
8651833	20	60
8651841	3	147
8651842	6	44
8651843	0	49



Ottobacias	ISR (%)	IQ (%)
8651851	23	44
8651852	2	40
8651853	25	47
8651854	6	40
8651855	27	48
8651856	10	41
8651857	28	58
8651871	28	34
8651872	6	> 200
8651873	31	> 200
8651891	38	> 200
8651892	7	> 200
8651893	91	41
8653411	10	14
8653412	5	38
8653413	11	15
8653414	5	41
8653416	6	98
8653417	11	17
8653418	30	39
8653419	11	17
8653421	5	42
8653422	1	41
8653423	7	54
8653424	9	42
8653425	9	61
8653431	11	19
8653432	5	46
8653433	11	21
8653435	11	21
8653441	6	40
8653442	3	43
8653443	6	46
8653444	10	40
8653445	6	55
8653446	8	44
8653447	4	59
8653452	2	53
8653453	11	27
8653455	12	31
8653456	5	79
8653458	3	> 200
8653459	12	37
8653461	4	149

Ottobacias	ISR (%)	IQ (%)
8653462	4	55
8653463	4	194
8653464	2	> 200
8653465	5	50
8653466	4	40
8653467	6	68
8653468	7	47
8653469	4	83
8653472	5	46
8653473	13	35
8653474	7	169
8653476	8	39
8653478	11	> 200
8653479	14	36
8653481	13	41
8653482	6	41
8653483	21	47
8653484	5	51
8653485	39	42
8653494	12	39
8653496	3	> 200
8653498	16	35
8653499	7	> 200
8656111	23	11
8656112	14	57
8656113	24	13
8656114	15	128
8656115	24	13
8656116	10	> 200
8656117	24	11
8656131	24	11
8656132	> 100	62
8656133	23	13
8656151	22	14
8656153	22	15
8656161	24	76
8656162	22	69
8656163	19	81
8656171	22	15
8656172	64	36
8656173	21	17
8656174	19	> 200
8656175	21	12
8656177	21	13

Ottobacias	ISR (%)	IQ (%)
8656178	24	35
8656179	21	15
8656181	44	41
8656182	49	42
8656183	14	41
8656191	21	16
8656192	30	36
8656193	21	15
8656194	9	39
8656195	21	14
8656311	21	11
8656312	67	84
8656313	20	12
8656321	13	43
8656322	14	42
8656323	11	43
8656331	> 20	13
8656333	20	19
8656341	19	42
8656342	18	42
8656343	19	42
8656361	25	> 200
8656362	9	> 200
8656363	43	43
8656371	20	20
8656372	14	59
8656373	20	19
8656374	16	67
8656375	20	21
8656376	14	73
8656377	> 20	20
8656391	> 20	25
8656392	14	36
8656393	21	30
8656394	> 100	49
8656395	18	34
8656661	6	41
8656662	8	44
8656663	5	40
8656811	18	68
8656812	9	43
8656813	15	84
8656851	19	82
8656852	19	> 200



Ottobacias	ISR (%)	IQ (%)
8656853	22	75
8656911	24	22
8656912	13	60
8656913	24	22
8656931	25	26
8656932	12	41
8656933	29	26
8656951	9	30
8656952	10	43
8656953	8	33
8656954	7	87
8656955	9	30
8656956	6	38
8656957	9	34
8656961	9	41
8656962	5	42
8656963	13	41
8661121	29	84
8661122	9	57
8661123	31	135
8661124	17	31
8661125	35	187
8661126	31	51
8661128	36	63
8661129	81	40
8661141	27	39
8661142	10	53
8661143	21	35
8661144	12	34
8661145	29	35
8661151	1	17
8661152	19	75
8661153	1	18
8661154	17	90
8661155	1	18
8661157	1	19
8661161	67	> 200
8661162	> 20	39
8661163	19	53
8661171	1	19
8661172	16	36
8661173	1	20
8661174	33	141
8661175	1	21

Ottobacias	ISR (%)	IQ (%)
8661177	1	22
8661181	> 20	56
8661182	18	82
8661183	21	43
8661184	12	53
8661185	16	37
8661191	1	23
8661192	43	65
8661193	1	23
8661231	31	31
8661232	34	42
8661233	31	32
8661234	13	41
8661235	33	43
8661311	0	25
8661312	49	53
8661313	0	27
8661321	55	34
8661322	38	44
8661323	58	63
8661324	23	84
8661325	53	74
8661326	41	137
8661327	21	39
8661331	0	28
8661333	0	30
8661341	24	> 200
8661342	16	> 200
8661343	28	31
8661351	0	31
8661352	67	91
8661353	0	31
8661361	41	66
8661362	10	43
8661363	44	173
8661364	80	> 200
8661365	26	75
8661366	36	156
8661367	21	33
8661381	41	24
8661382	68	69
8661383	39	48
8661384	33	47
8661385	33	49

Ottobacias	ISR (%)	IQ (%)
8661421	25	> 200
8661422	30	78
8661423	15	> 200
8661431	21	40
8661432	> 20	41
8661433	> 20	78
8661461	13	> 200
8661462	17	42
8661463	11	> 200
8661491	13	147
8661492	19	39
8661493	12	> 200
8661494	11	> 200
8661495	11	27
8661611	33	18
8661612	55	39
8661613	32	36
8661621	24	118
8661622	15	185
8661623	23	123
8661624	15	> 200
8661625	29	34
8661631	34	35
8661632	27	40
8661633	34	72
8661661	23	90
8661662	37	> 200
8661663	15	37
8661731	4	12
8661732	34	111
8661733	4	13
8661741	32	44
8661742	30	39
8661743	34	76
8661744	42	40
8661745	37	98
8661752	38	42
8661753	4	15
8661754	22	36
8661755	4	16
8661756	17	33
8661757	4	16
8661758	26	42
8661759	4	17



Ottobacias	ISR (%)	IQ (%)
8661761	65	160
8661762	47	39
8661763	34	139
8661771	4	17
8661772	29	39
8661773	4	18
8661811	13	28
8661812	6	49
8661813	14	37
8661821	9	51
8661822	10	59
8661823	7	44
8661831	14	38
8661832	13	42
8661833	14	45
8661834	5	41
8661835	14	59
8661836	9	42
8661837	15	60
8661841	5	187
8661842	2	> 200
8661843	8	134
8661851	20	31
8661852	9	45
8661853	21	34
8661881	2	38
8661882	1	39
8661883	3	43
8661884	3	46
8661885	2	40
8661891	34	36
8661892	2	42
8661893	41	41
8661894	2	43
8661895	64	43
8661896	3	43
8661897	> 100	92
8662231	24	36
8662232	12	> 200
8662233	25	36
8662291	31	107
8662292	29	48
8662293	20	> 200
8664911	10	54

Ottobacias	ISR (%)	IQ (%)
8664912	6	> 200
8664913	11	64
8664951	9	47
8664952	9	43
8664953	5	49
8664961	3	68
8664962	4	42
8664963	2	81
8665211	17	9
8665212	17	44
8665213	17	13
8665214	11	42
8665215	16	14
8665216	7	41
8665217	15	16
8665218	27	40
8665219	11	18
8665251	14	63
8665252	11	39
8665253	15	82
8665271	17	89
8665272	9	40
8665273	18	97
8665274	35	57
8665275	16	48
8665291	14	37
8665292	12	40
8665293	8	36
8665311	1	36
8665312	9	121
8665313	1	39
8665391	1	46
8665392	13	43
8665393	1	49
8665761	41	120
8665762	6	45
8665763	56	150
8665851	18	135
8665852	2	41
8665853	19	161
8665871	4	181
8665872	2	62
8665873	3	> 200
8666121	3	39

Ottobacias	ISR (%)	IQ (%)
8666122	2	40
8666123	3	38
8666171	36	42
8666172	6	40
8666173	36	46
8666174	5	34
8666175	36	57
8666176	3	41
8666177	37	62
8666178	23	141
8666179	37	66
8666191	37	80
8666192	3	38
8666193	38	> 100
8666194	5	39
8666195	38	108
8666261	6	31
8666262	7	31
8666263	5	31
8666281	36	> 200
8666282	30	179
8666283	41	161
8666291	34	192
8666292	5	114
8666293	46	83
8666311	35	115
8666312	17	36
8666313	35	133
8666331	34	143
8666332	> 100	> 200
8666333	34	163
8666334	24	> 200
8666335	34	163
8666336	8	> 200
8666337	34	180
8666338	28	38
8666339	34	191
8666341	> 100	> 200
8666342	49	41
8666343	17	39
8666381	38	> 200
8666382	> 100	> 200
8666383	4	> 200
8666431	97	148



Ottobacias	ISR (%)	IQ (%)
8666432	2	42
8666433	87	55
8666451	49	82
8666452	15	149
8666454	21	109
8666455	23	138
8666456	24	50
8666457	22	154
8666458	20	> 200
8666461	68	78
8666462	2	71
8666463	2	59
8666464	2	72
8666465	2	56
8666491	8	67
8666521	> 100	42
8666522	15	43
8666523	17	41
8666891	6	58
8666892	1	55
8666911	41	> 200
8666912	7	88
8666913	26	142
8666931	33	164
8666932	7	> 200
8666933	46	174
8667611	8	20
8667612	7	44
8667613	8	22
8667691	4	46
8667692	3	46
8667693	5	40
8668671	26	41
8668672	3	> 200
8668673	28	45
8668681	28	28
8668682	5	41
8668683	52	20
8668691	37	168
8668692	36	39
8668693	36	> 200
8668941	29	98
8668942	3	66
8668943	48	47

Ottobacias	ISR (%)	IQ (%)
8668944	1	40
8668945	3	38
8669211	44	60
8669212	7	40
8669213	46	143
8669241	13	> 200
8669242	8	59
8669243	31	41
8669311	9	> 200
8669312	9	40
8669313	9	> 200
8669314	9	32
8669315	9	> 200
8669321	71	36
8669322	6	36
8669323	> 100	> 200
8669351	8	> 200
8669352	> 100	> 70
8669353	8	> 200
8669354	21	41
8669355	8	> 200
8669421	32	80
8669422	8	40
8669423	44	111
8669591	2	> 200
8669592	30	172
8669593	2	> 200
8669721	9	> 200
8669722	11	> 200
8669723	68	> 200
8669841	100	> 200
8669842	0	> 200
8669843	0	107
8669844	0	73
8669845	100	> 200
8669921	2	> 200
8669922	0	> 200
8669923	10	> 200
8669931	> 40	> 200
8669932	1	> 200
8669933	42	> 200
8669934	1	> 200
8669935	52	> 200
8669936	14	> 200

Ottobacias	ISR (%)	IQ (%)
8669937	59	> 200
8669938	> 100	> 200
8669939	79	> 200
8669941	91	120
8669942	2	> 200
8669943	38	173
8669971	100	129
8669972	92	80
8669973	> 100	71
8669991	34	47
8669992	6	67
8669993	59	73
8672111	34	14
8672112	15	154
8672113	33	14
8672131	34	19
8672132	28	78
8672133	34	21
8672171	35	31
8672172	9	46
8672173	36	34
8672931	43	21
8672932	27	39
8672933	45	21
8672934	23	40
8672935	45	26
8672936	78	43
8672937	42	31
8672938	30	41
8672939	38	36
8672951	39	37
8672952	56	49
8672953	38	41
8672971	> 40	36
8672972	54	39
8672973	40	62
8672974	24	42
8672975	22	84
8672991	17	128
8672992	19	59
8672993	21	180
8672994	19	43
8672995	26	> 200
8681121	20	152



Ottobacias	ISR (%)	IQ (%)
8681122	8	42
8681123	27	53
8681371	26	1
8681373	26	1
8681531	26	1
8681532	25	40
8681533	26	1
8681551	26	1
8681552	48	58
8681553	26	1
8681554	16	42
8681555	26	1
8681557	26	1
8681571	26	1
8681573	26	1
8681821	29	72
8681822	28	42
8681823	30	100
8681841	18	> 200
8681842	29	42
8681843	13	> 200
8681861	20	68
8681862	26	41
8681863	16	102
8681864	15	169
8681865	13	36
8681881	23	79
8681882	13	88
8681883	30	71
8682121	33	49
8682122	38	75
8682123	31	38
8682211	27	28
8682212	10	39
8682213	27	35
8682214	12	123
8682215	27	39
8682221	26	> 200
8682222	33	42
8682223	17	> 200
8682241	37	120
8682242	31	197
8682243	46	38
8682251	26	54

Ottobacias	ISR (%)	IQ (%)
8682252	> 20	130
8682253	26	76
8682254	41	36
8682255	24	54
8682261	34	199
8682262	38	43
8682263	26	> 200
8682271	22	59
8682272	31	43
8682273	22	63
8682274	19	103
8682275	22	72
8682292	16	39
8682293	22	> 200
8682294	22	91
8682295	59	> 200
8682296	3	> 200
8682297	> 100	> 200
8682298	12	> 200
8682299	15	79
8682311	53	5
8682312	49	43
8682313	53	5
8682314	43	41
8682315	53	9
8682331	51	16
8682332	23	42
8682333	51	24
8682371	52	33
8682372	70	39
8682373	52	44
8682521	30	> 200
8682522	36	43
8682523	25	> 200
8683511	24	2
8683512	58	37
8683513	24	2
8683515	24	2
8683517	24	2
8683551	24	2
8683553	24	3
8683554	54	40
8683555	24	3
8683571	24	4

Ottobacias	ISR (%)	IQ (%)
8683572	18	38
8683573	24	4
8683574	19	49
8683575	24	4
8683577	24	7
8683581	21	38
8683582	19	44
8683583	22	37
8683584	22	40
8683585	23	38
8683586	24	42
8683587	23	36
8683591	24	7
8683592	21	33
8683593	24	7
8683594	26	36
8683597	24	11
8683598	31	40
8683599	24	12
8684121	33	75
8684122	35	36
8684123	24	24
8684124	11	28
8684125	14	28
8684131	24	17
8684133	24	18
8684134	> 20	63
8684135	24	19
8684136	27	39
8684138	50	128
8684139	23	24
8684141	24	28
8684142	23	40
8684143	24	28
8684145	39	23
8684151	23	26
8684152	74	> 200
8684153	23	27
8684154	3	43
8684155	23	28
8684156	27	87
8684157	23	31
8684161	27	87
8684163	29	> 200



Ottobacias	ISR (%)	IQ (%)
8684165	40	> 200
8684171	23	30
8684172	13	106
8684173	23	33
8684175	23	35
8684176	3	38
8684177	23	36
8684191	23	36
8684192	7	169
8684193	23	37
8684194	3	35
8684195	23	39
8684196	29	32
8684197	23	41
8684198	36	140
8684199	23	42
8684211	12	34
8684212	3	37
8684215	9	45
8684217	9	49
8684221	7	59
8684222	3	31
8684223	6	100
8684224	2	> 200
8684225	14	40
8684231	9	32
8684233	10	31
8684241	7	59
8684242	4	36
8684243	6	87
8684244	9	85
8684245	6	36
8684253	10	35
8684254	2	43
8684255	10	36
8684256	19	36
8684257	9	37
8684258	78	23
8684261	37	47
8684263	15	74
8684265	15	74
8684271	5	46
8684277	1	38
8684279	0	38

Ottobacias	ISR (%)	IQ (%)
8684281	1	38
8684311	34	66
8684312	21	> 200
8684313	34	65
8684321	53	> 200
8684322	79	> 200
8684323	39	> 200
8684331	34	55
8684332	35	43
8684333	34	61
8684361	16	53
8684362	14	67
8684363	17	43
8684521	38	84
8684522	10	> 200
8684523	53	75
8684524	58	142
8684525	66	58
8684526	40	76
8684527	51	47
8684531	34	60
8684532	11	113
8684535	32	25
8684537	32	29
8684539	33	30
8684541	14	41
8684542	6	36
8684543	22	60
8684544	13	93
8684545	34	38
8684551	34	35
8684552	2	44
8684553	34	35
8684554	6	38
8684555	31	26
8684556	1	44
8684557	32	31
8684558	6	57
8684559	32	37
8684561	9	150
8684562	9	41
8684563	6	46
8684564	5	59
8684565	7	40

Ottobacias	ISR (%)	IQ (%)
8684571	34	29
8684572	1	40
8684573	34	32
8684574	4	43
8684575	35	33
8684581	8	31
8684582	10	42
8684583	7	29
8684591	36	36
8684593	37	41
8684594	15	93
8684595	38	44
8684596	41	> 200
8684598	13	34
8684621	21	82
8684622	48	> 200
8684623	14	33
8684624	7	26
8684625	19	43
8684626	16	39
8684627	22	47
8684631	28	54
8684632	14	44
8684633	28	79
8684634	27	143
8684635	29	158
8684671	37	> 200
8684672	4	42
8684673	18	79
8684681	22	79
8684721	31	36
8684722	72	35
8684723	13	48
8684724	4	37
8684725	13	55
8684741	25	51
8684742	19	33
8684743	29	120
8684744	26	37
8684745	29	178
8684751	45	67
8684753	44	175
8684755	51	152
8684761	55	116



Ottobacias	ISR (%)	IQ (%)
8684762	85	108
8684763	44	117
8684764	6	39
8684765	56	> 200
8684766	23	> 200
8684767	> 100	172
8684781	22	> 200
8684782	18	> 200
8684783	24	136
8684785	22	33
8684791	58	> 200
8684792	34	> 200
8684793	61	197
8684821	22	> 200
8684822	3	38
8684823	5	> 200
8684824	3	41
8684825	6	> 200
8684831	32	125
8684832	43	45
8684833	15	144
8684841	7	28
8684851	15	156
8684852	4	36
8684853	19	> 200
8684854	3	126
8684855	30	41
8684911	14	104
8684912	3	96
8684913	25	37
8684921	2	37
8684931	44	38
8684933	60	37
8686131	21	18
8686132	23	43
8686133	21	20
8686151	21	24
8686152	14	37
8686153	18	26
8686154	31	54
8686155	18	31
8686156	17	130
8686158	7	191
8686159	18	40

Ottobacias	ISR (%)	IQ (%)
8686161	13	84
8686162	11	> 200
8686163	13	39
8686164	13	39
8686165	13	40
8686171	19	49
8686172	5	> 200
8686173	16	21
8686174	11	42
8686175	16	22
8686176	25	41
8686177	16	23
8686181	> 20	83
8686182	24	101
8686183	19	66
8686191	16	23
8686192	29	73
8686193	15	23
8686194	23	> 200
8686195	15	25
8686197	15	27
8686911	6	31
8686912	7	42
8686913	6	32
8686961	7	34
8686962	3	38
8686963	10	32
8686971	6	34
8686972	3	28
8686973	8	> 200
8686981	7	46
8686982	3	46
8687111	29	10
8687113	29	14
8687171	29	20
8687172	32	110
8687173	29	20
8687174	37	40
8687175	29	23
8687177	29	24
8687311	25	30
8687312	12	39
8687313	25	31
8687314	8	81

Ottobacias	ISR (%)	IQ (%)
8687315	26	34
8687351	21	133
8687352	11	31
8687353	23	28
8687354	7	41
8687355	26	27
8687391	27	37
8687393	28	39
8687395	28	47
8687396	5	78
8688872	4	50
8688875	3	55
8688876	2	55
8688893	2	68
8688894	16	42
8688895	0	48
8688994	0	47
8688995	7	> 200
8688996	0	46
8688997	9	> 200
8688998	0	> 200
8688999	0	> 200
77895321	1	46
77895322	0	46
77895323	1	46
77895376	2	57
77895381	2	46
77895382	3	59
77895383	1	40
77895391	7	54
77895392	1	136
77895393	7	54
77895521	8	40
77895522	0	39
77895523	1	42
77895531	7	56
77895532	2	70
77895533	7	59
77895534	9	64
77895535	7	59
77895536	1	43
77895537	7	59
77895551	7	57
77895553	7	57



Ottobacias	ISR (%)	IQ (%)
77895554	1	57
77895555	7	58
77895571	6	60
77895572	4	58
77895573	6	62
77895574	2	65
77895575	6	64
77895591	6	67
77895592	3	157
77895593	6	72
77895751	5	> 70
77895752	5	88
77895753	4	72
77899911	3	90
77899912	1	> 200
77899913	4	53
77899991	1	77
77899992	0	81
77899993	0	75
77939174	0	47
77939333	8	15
77939334	0	80
77939335	9	9
77939421	13	39
77939422	0	79
77939423	19	57
77939511	9	29
77939512	6	85
77939513	9	19
77939514	85	80
77939515	8	33
77939516	7	77
77939517	8	24
77939521	60	43
77939522	0	72
77939523	> 100	120
77939531	7	27
77939532	> 100	76
77939533	7	30
77939541	81	82
77939542	> 100	147
77939543	66	137
77939561	6	111
77939562	53	67

Ottobacias	ISR (%)	IQ (%)
77939563	68	105
77939564	0	83
77939565	0	75
77939571	0	> 200
77939621	0	48
77939622	0	79
77939623	0	48
77939721	7	130
77939722	16	116
77939723	0	173
77939821	0	79
77939822	0	78
77939823	0	80
77944631	1	42
77944632	0	47
77944633	1	43
77944661	1	59
77944662	4	47
77944663	0	65
77944664	1	92
77944665	0	45
77944691	0	42
77944692	0	74
77944693	0	69
77944911	23	42
77944912	0	48
77944913	27	43
77944931	30	45
77944932	0	46
77944933	32	47
77944951	35	85
77944952	0	82
77944953	27	90
77944981	5	132
77944982	3	81
77944983	3	164
77944991	0	74
77944992	0	77
77944993	0	73
77945921	1	45
77945922	0	80
77945923	1	73
77947151	1	33
77947152	1	48

Ottobacias	ISR (%)	IQ (%)
77947153	1	33
77947154	1	47
77947155	1	36
77947171	1	36
77947173	1	38
77947181	4	48
77947182	9	53
77947183	0	44
77951111	0	41
77951112	0	55
77951113	0	36
77951114	0	48
77951115	0	34
77951151	0	76
77951152	0	49
77951153	0	86
77951154	0	49
77951155	0	92
77951156	0	49
77951157	0	43
77951711	0	62
77951712	0	80
77951714	0	79
77951715	0	37
77951716	0	82
77951719	0	81
86411511	4	2
86411512	4	38
86411513	4	2
86411515	4	2
86411531	4	2
86411532	3	41
86411533	4	2
86411535	4	2
86411536	2	76
86411537	4	2
86411571	4	2
86411573	4	2
86411574	3	37
86411575	4	2
86411576	5	38
86411577	4	2
86411591	4	2
86411592	0	69



Ottobacias	ISR (%)	IQ (%)
86411593	4	2
86411951	4	4
86411953	4	3
86411961	3	40
86411962	1	45
86411963	2	39
86462441	4	57
86462442	2	43
86462443	6	61
86462751	8	29
86462752	10	44
86462753	5	31
86462754	4	42
86462755	5	31
86462791	5	36
86462792	1	44
86462793	5	39
86492311	17	17
86492312	11	47
86492313	17	18
86492941	19	43
86492942	21	43
86492943	23	43
86492991	23	109
86492992	1	42
86492993	37	130
86492994	1	49
86492995	8	52
86515321	1	43
86515322	1	43
86515323	0	43
86515581	1	45
86515582	1	43
86515583	2	46
86534151	11	16
86534152	6	43
86534153	11	17
86534341	17	77
86534342	10	41
86534343	23	102
86534511	11	21
86534512	8	39
86534513	11	24
86534541	5	55

Ottobacias	ISR (%)	IQ (%)
86534542	5	47
86534543	5	59
86534571	12	32
86534572	5	39
86534573	12	38
86534711	13	32
86534712	7	48
86534713	13	33
86534751	13	34
86534752	4	137
86534753	14	36
86534771	14	36
86534772	9	40
86534773	14	41
86534911	14	42
86534912	34	37
86534913	14	47
86534914	8	40
86534915	14	49
86534916	33	> 200
86534917	13	45
86534918	16	40
86534919	13	46
86534921	11	45
86534922	11	42
86534923	11	46
86534931	13	52
86534932	9	39
86534933	13	62
86534951	13	74
86534952	10	40
86534954	8	41
86534955	14	97
86534956	3	42
86534958	2	> 200
86534971	23	69
86534972	5	55
86534973	27	83
86534974	2	42
86534975	30	109
86534976	3	> 200
86534977	10	81
86561521	> 40	39
86561522	56	39

Ottobacias	ISR (%)	IQ (%)
86561523	32	39
86561761	19	88
86561762	15	42
86561763	18	114
86563321	47	42
86563322	13	43
86563323	12	42
86611111	0	28
86611112	57	39
86611113	0	29
86611121	35	74
86611122	32	128
86611123	33	85
86611124	13	75
86611125	18	91
86611132	38	23
86611134	35	34
86611135	2	9
86611136	> 100	> 200
86611138	21	34
86611139	2	10
86611141	34	38
86611142	21	40
86611143	51	38
86611144	20	37
86611145	83	42
86611151	2	10
86611153	2	11
86611154	8	39
86611155	2	11
86611161	29	> 70
86611162	31	38
86611163	31	167
86611164	34	39
86611165	30	> 200
86611171	2	11
86611172	19	38
86611173	2	12
86611174	7	30
86611175	2	12
86611176	7	41
86611177	2	14
86611178	22	35
86611179	2	14



Ottobacias	ISR (%)	IQ (%)
86611181	13	37
86611182	19	42
86611183	11	36
86611191	2	14
86611192	20	39
86611193	2	14
86611194	16	> 200
86611195	2	15
86611271	38	> 200
86611272	13	> 200
86611273	53	58
86611561	34	40
86611562	16	64
86611563	37	59
86611564	13	107
86611565	51	28
86611761	14	> 200
86611762	18	40
86611763	22	41
86613321	15	38
86613322	16	38
86613323	16	39
86617511	4	13
86617512	45	44
86617513	4	14
86664531	54	101
86664532	19	45
86664533	24	127
86664591	28	125
86664592	2	32
86664593	4	92
86822911	22	76
86822912	23	43
86822913	22	> 200
86822914	19	140
86822915	22	> 200
86835951	24	9
86835952	14	29
86835953	24	11
86841321	26	42
86841322	26	43
86841323	26	41
86841371	24	20
86841372	21	40

Ottobacias	ISR (%)	IQ (%)
86841373	24	22
86841374	19	164
86841375	24	22
86841376	27	42
86841377	24	23
86841441	3	34
86841442	3	42
86841443	2	32
86841621	29	56
86841622	43	39
86841623	22	62
86841641	18	> 200
86841642	25	41
86841643	23	> 200
86841741	3	38
86841742	3	42
86841743	3	34
86842131	12	35
86842132	3	43
86842133	12	37
86842134	6	38
86842135	11	39
86842136	7	41
86842137	11	44
86842141	36	50
86842142	6	> 200
86842143	7	23
86842161	12	45
86842162	10	44
86842163	13	40
86842164	12	40
86842165	13	41
86842181	5	> 200
86842182	5	> 200
86842183	5	> 200
86842191	9	38
86842192	4	> 200
86842193	9	32
86842321	7	48
86842322	6	92
86842323	8	35
86842324	9	39
86842325	8	39
86842326	6	41

Ottobacias	ISR (%)	IQ (%)
86842327	9	38
86842511	10	28
86842512	6	86
86842513	10	30
86842514	3	41
86842515	10	30
86842516	2	33
86842517	10	32
86842518	3	41
86842519	10	36
86842521	9	69
86842522	13	40
86842523	6	38
86842591	7	40
86842592	20	41
86842593	7	42
86842621	25	39
86842622	31	41
86842623	13	42
86842721	22	63
86842722	16	39
86842723	27	114
86842724	34	186
86842725	22	40
86842731	5	47
86842732	42	46
86842733	4	48
86842734	13	> 200
86842735	4	48
86842741	25	71
86842742	16	40
86842743	26	149
86842744	12	34
86842745	20	> 200
86842751	3	51
86842752	13	> 200
86842753	2	38
86842755	2	38
86842761	25	124
86842763	37	160
86842781	7	98
86845331	35	22
86845332	10	> 200
86845333	33	23



Ottobacias	ISR (%)	IQ (%)
86845341	66	104
86845342	82	> 200
86845343	58	57
86845344	29	37
86845345	74	96
86845346	93	> 200
86845347	61	71
86845361	11	48
86845362	9	40
86845363	14	52
86845381	9	130
86845382	10	113
86845383	8	> 200
86845384	5	> 200
86845385	12	47
86845921	2	46
86845922	4	72
86845923	1	41
86845924	0	43
86845925	1	44
86845926	2	43
86845927	0	44
86845971	38	37
86845972	33	133
86845973	38	40
86845974	70	57
86845975	37	42
86845991	38	43
86845992	26	41
86845993	38	44
86847521	65	117
86847522	23	41
86847523	77	> 200
86847524	14	> 200
86847525	19	> 200
86847541	20	> 200
86847542	6	40
86847543	24	> 200
86847544	> 100	132
86847545	9	> 200
86847841	28	> 200
86847842	41	36
86847843	22	> 200
86849222	1	48

Ottobacias	ISR (%)	IQ (%)
86849223	> 100	44
86849321	36	39
86861571	18	36
86861572	23	43
86861573	18	39
86861961	19	38
86861962	15	41
86861963	22	36
86873971	35	42
86873972	3	46
86873973	39	50
86873991	39	58
86873992	2	55
86873993	45	61
86888921	2	51
86888922	0	51
86888923	0	51
778953732	2	49
778953741	0	57
778953742	0	47
778953743	0	50
778953773	7	44
778953781	0	42
778953791	7	45
778953792	0	71
778953793	7	52
778953794	6	74
778953795	7	53
778955521	2	> 200
778955522	2	44
778955523	2	44
779395117	0	76
779395311	53	> 200
779395314	0	> 200
779395315	1	> 200
779395316	0	> 200
779395317	2	> 200
779395318	0	> 200
779395319	8	78
779517131	0	62
779517132	0	82
779517133	0	64
779517171	0	58
779517172	0	82

Ottobacias	ISR (%)	IQ (%)
779517173	0	81
779517181	0	82
779517182	0	83
779517183	0	81
865349531	14	79
865349532	18	41
865349533	13	86
865349572	4	41
865349573	14	132
865349574	5	43
865349575	15	153
865349576	5	49
865349577	16	175
865349578	3	45
865349579	16	185
865349591	17	186
865349592	6	51
865349593	18	> 200
865349594	3	43
865349595	19	> 200
866111311	2	29
866111312	> 100	39
866111313	2	6
866111331	2	7
866111332	36	> 200
866111333	2	7
866111334	37	41
866111335	2	8
866111336	28	40
866111337	2	8
866111371	2	9
866111372	85	43
866111373	2	9
866111374	24	40
866111375	2	9
866111376	25	39
866111377	2	10
866111521	15	62
866111522	20	42
866111523	13	71
868426241	13	50
868426242	3	50
868427541	8	56
868427542	11	84



Ottobacias	ISR (%)	IQ (%)
868427543	2	36
868427621	14	110
868427622	22	88
868427623	8	122
868427821	0	46
868427822	1	46
7793951113	5	104
7793951114	0	82
7793951115	5	106
7793951116	0	82
7793951119	5	129
7793951121	0	82
7793951122	0	82
7793951123	0	83
7793951124	0	83
7793951125	0	83
7793951126	0	83
7793951127	0	83
7793951132	0	82
7793951134	1	83
7793951135	7	98
7793951136	3	> 200
7793951137	7	97
7793951138	0	> 200
7793951139	7	90
7793951141	17	> 200
7793951142	0	> 200
7793951143	18	190
7793951145	23	176
7793951147	16	170
7793951148	0	> 200
7793951149	32	> 200
7793951152	0	83
7793951153	4	75
7793951154	56	164
7793951156	0	83
7793951157	0	74
7793951158	0	82
7793951159	0	75
7793951161	0	83

Ottobacias	ISR (%)	IQ (%)
7793951163	0	83
7793951181	0	82
7793951182	0	82
7793951183	0	82
7793951184	0	84
7793951185	0	82
7793951191	0	76
7793951193	0	77
7793951194	0	83
7793951196	0	83
7793951197	0	77
7793951198	0	83
7793953121	0	166
7793953122	0	50
7793953123	0	199
7793953124	0	57
7793953125	0	> 200
7793953131	1	> 200
7793953132	0	55
7793953133	1	> 200
8653495711	14	110
8653495712	5	42
8653495713	14	114
77939511111	4	99
77939511112	0	84
77939511113	4	99
77939511114	0	83
77939511115	5	61
77939511121	0	49
77939511122	0	82
77939511123	0	81
77939511171	5	106
77939511172	0	83
77939511173	5	118
77939511174	0	84
77939511175	5	120
77939511181	0	82
77939511182	0	83
77939511183	0	81
77939511311	6	142

Ottobacias	ISR (%)	IQ (%)
77939511312	0	84
77939511313	6	143
77939511331	6	147
77939511332	0	84
77939511333	6	94
77939511334	1	84
77939511335	7	96
77939511441	0	> 200
77939511442	0	> 200
77939511443	0	146
77939511461	30	> 200
77939511462	0	83
77939511463	0	84
77939511511	3	47
77939511512	0	82
77939511513	3	75
77939511551	0	68
77939511552	1	83
77939511553	0	70
77939511554	4	84
77939511555	0	72
77939511621	0	84
77939511622	0	84
77939511623	0	84
77939511921	0	83
77939511922	0	83
77939511923	0	83
77939511951	0	78
77939511952	0	84
77939511953	0	78
77939511991	0	78
77939511992	0	83
77939511993	0	78
77939511994	0	84
77939511995	0	79
77939511996	0	84
77939511997	0	82
77939511998	0	84
77939511999	0	80