

**Table S3**

## Characteristics of included studies

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Study	Country	Year <sup>1</sup>	Study <sup>2</sup>	Study description	Symptomatic patients (n)
Pellegata et al. [1]	Germany	2006	OA	Case report, genetic analysis in rats and one patient	1
Georgitsi et al. [20]	Finland, multiple countries	2007	OA	Retrospective analysis of 37 suspected MEN1 and 69 acromegaly patients	1
Agarwal et al. [26]	USA	2009	OA	Retrospective analysis of 196 suspected MEN1 patients	4
Molatore et al [21]	Germany, Italy	2010	OA	Retrospective analysis of 27 suspected MEN1 patients	1
Costa-Guda et al [36]	USA, Germany	2011	OA	Retrospective analysis of 86 patients with sporadic parathyroid adenomas	2
Belar et al. [15]	Spain	2012	OA	Retrospective analysis of 79 suspected MEN1 patients	1
Tichomorowa et al. [37]	Belgium, multiple countries	2012	OA	Retrospective analysis of 124 <i>AIP</i> mutation-negative FIPA patients	2
Malanga et al. [33]	Italy, Spain	2012	OA	Retrospective analysis of 15 suspected MEN1 patients	1
Occhi et al. [22]	Italy, UK, Germany	2013	OA	Case report, genetic analysis	1
Tonelli et al. [18]	Italy	2014	CR	Case report, short review	1
Elston et al. [38]	New Zealand	2015	CR	Case report	1
Samburgaro et al. [41]	Italy, Germany	2015	CR	Case report, genetic analysis	1
Bugalho et al. [39]	Portugal	2016	CR	Case report	1
Borsari et al. [42]	Italy, Germany	2017	OA	Retrospective analysis of 147 patients with sporadic parathyroid adenomas	3
Frederiksen et al. [34]	Denmark, UK	2019	OA	Case series, short review	13
Brock et al. [35]	USA	2020	CR	Case report	1
Chasseloup et al. [40]	USA, multiple countries	2020	OA	Retrospective analysis of 211 pediatric patients with Cushing's disease	5
Chevalier et al. [45]	France	2020	L	Case report	2
Lavezzi et al. [43]	Italy	2022	CR	Case report, short review	2
Seabrook et al. [44]	Australia	2022	CR	Case report	3

Year <sup>1</sup>	year of publication
Study <sup>2</sup>	type of study
OA	original article
CR	case report
L	letter to the editor
<i>AIP</i>	aryl hydrocarbon receptor interacting protein gene
FIPA	familial isolated pituitary adenoma