

Novel *RICTOR* Amplification Harbours Entities - FISH Validation of *RICTOR* Amplification in Tumour Tissue After Next-Generation Sequencing

Authors

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Supplementary Table 1. The detailed case distribution of the main tumour types (regarding the latest WHO Classification of Tumours, 5th edition) of next-generation sequenced malignancies diagnosed between 2018 and 2022 at the Department of Pathology and Experimental Cancer Research, Semmelweis University.

Main Tumour Types	Diagnosis	Case no.
Breast Tumours	Carcinoma with apocrine differentiation	1
	Invasive breast carcinoma of no special type	24
	Total	25
Central Nervous System Tumours	Astrocytoma, IDH-mutant	9
	Craniopharyngioma	3
	Desmoplastic infantile astrocytoma	1
	Diffuse low-grade glioma, NOS	1
	Dysembryoplastic neuroepithelial tumour	1
	Embryonal tumour, NOS	3
	Ependymoma	5
	Ganglioglioma	1
	Germ cell tumour	3
	Glioblastoma	34
	High-grade glioma, NOS	1
	Langerhans cell histiocytosis	1
	Medulloblastoma	11
	Meningioma	1
	Pilocytic astrocytoma	6
	Primary intracranial sarcoma, NOS	1
Total	82	

Digestive System Tumours	Cholangiocarcinoma	10
	Colorectal adenocarcinoma	45
	Colorectal neuroendocrine tumour	1
	Gallbladder adenocarcinoma	3
	Gastric adenocarcinoma	3
	Germ cell tumour	2
	Hepatoblastoma	1
	Hepatocellular carcinoma	5
	Oesophageal squamous cell carcinoma	1
	Pancreatic adenocarcinoma	13
	Pancreatic neuroendocrine tumour	4
	Ampullary carcinoma	1
	Total	89
	Female Genital Tumours	Choriocarcinoma
Clear cell carcinoma of the cervix		1
Clear cell carcinoma of the ovary		1
Clear cell carcinoma of the vulva		1
Endometrial carcinosarcoma		2
Endometrioid endometrial carcinoma		9
High-grade endometrial stromal sarcoma		1
Immature teratoma		3
Endometrial large cell neuroendocrine carcinoma		1
Neuroendocrine tumour of gynaecological origin		1
Serous borderline tumour		1
Serous endometrial carcinoma		1
Small cell carcinoma of the ovary, hypercalcaemic type		2
Squamous cell carcinoma of the cervix		4
Tubo-ovarian high-grade serous carcinoma		20
Undifferentiated endometrial carcinoma		1
Uterine leiomyosarcoma		2
Total	52	
Head and Neck Tumours	Acinic cell carcinoma of the salivary glands	1
	Adenoid cystic carcinoma of the salivary glands	3
	Low-grade malignant soft tissue tumour, NOS	1
	Oral squamous cell carcinoma	1
	Total	6
Other Tumours	Carcinoma of unknown primary	4
	Mucinous adenocarcinoma of unknown origin	3
	Retinoblastoma	1
	Total	8

Skin Tumours	Melanoma	4
	Total	4
Soft Tissue and Bone Tumours	Alveolar rhabdomyosarcoma	4
	Alveolar soft part sarcoma	1
	Angiomatoid fibrous histiocytoma	1
	Angiosarcoma	3
	Dedifferentiated liposarcoma	4
	Dermatofibrosarcoma protuberans	1
	Desmoid fibromatosis	1
	Embryonal rhabdomyosarcoma	1
	Epithelioid haemangioendothelioma	1
	Epithelioid sarcoma	3
	Ewing sarcoma	11
	Infantile fibrosarcoma	2
	Inflammatory myofibroblastic tumour	4
	Interdigitating dendritic cell sarcoma	3
	Intimal sarcoma	1
	Kaposiform haemangioendothelioma	1
	Leiomyosarcoma	1
	Myofibroblastoma	2
	Myopericytoma	1
	Nodular fasciitis	3
	Osteosarcoma	4
	PEComa	1
	Primitive myxoid mesenchymal tumour of infancy	1
	Rhabdoid tumour	3
	Sarcoma with <i>BCOR</i> genetic alterations	1
	Solitary fibrous tumour	2
	Spindle cell rhabdomyosarcoma	1
	Synovial sarcoma	2
	Undifferentiated pleomorphic sarcoma	3
	Undifferentiated small round cell sarcoma	2
Total	69	
Thoracic Tumours	Lung adenocarcinoma	22
	Mesothelioma	3
	Sarcomatoid carcinoma of the lung	1
	Small cell lung carcinoma	4
	Squamous cell carcinoma of the lung	4
	Total	34
Tumours of Endocrine Organs	Adrenal cortical carcinoma	3
	Medullary thyroid carcinoma	3

	Mixed neuroendocrine–non-neuroendocrine carcinoma	1
	Neuroblastoma	14
	Papillary thyroid carcinoma	12
	Parathyroid carcinoma	2
	Total	35
Tumours of Haematopoietic and Lymphoid Tissues	B-cell polymphocytic leukaemia	1
	Chronic lymphocytic leukaemia	1
	Diffuse large B-cell lymphoma	3
	Primary mediastinal large B-cell lymphoma	1
	Total	6
Urinary and Male Genital Tumours	Prostatic adenocarcinoma	3
	Urachal carcinoma	4
	Urothelial carcinoma	3
	Total	10
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