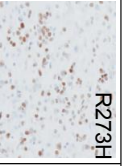
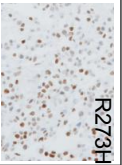
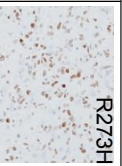
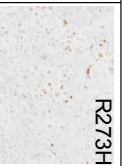
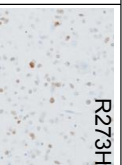
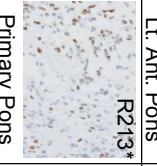
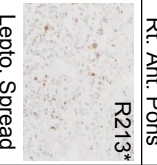
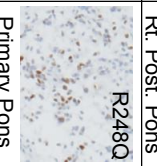
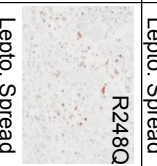
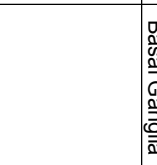
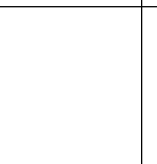
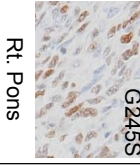
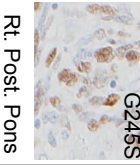
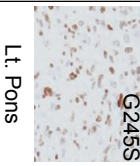
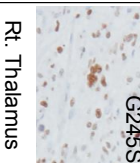
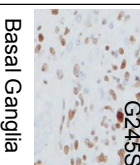
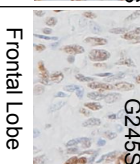


Patient 3		Patient 8			
 R273H	 R273H	 R273H	 R273H	 R273H	
Lt. Ant. Pons R213*	Rt. Ant. Pons R213*	Rt. Post. Pons R248Q	Lepto. Spread R248Q	Basal Ganglia	
 G245S	 G245S	 G245S	 G245S	 G245S	 G245S
Primary Pons	Lepto. Spread	Primary Pons	Lepto. Spread	Basal Ganglia	Frontal Lobe
 G245S	 G245S	 G245S	 G245S	 G245S	 G245S
Rt. Pons	Rt. Post. Pons	Lt. Pons	Rt. Thalamus	Basal Ganglia	Frontal Lobe

### Online Resource 6. Immunohistochemistry validation of TP53 mutants

**Article Title:** Spatial genomic heterogeneity in diffuse intrinsic pontine and midline high-grade glioma: implications for diagnostic biopsy and targeted therapeutics

**Journal Name:** Acta Neuropathologica

**Author Names:** Lindsey M. Hoffman<sup>1\*</sup>, Mariko DeWired<sup>1\*</sup>, Scott Ryall<sup>2\*</sup>, Pawel Buczkowicz<sup>2\*</sup>, James Leach<sup>1</sup>, Lili Miles<sup>1</sup>, Arun Ramani<sup>2</sup>, Michael Brudno<sup>2</sup>, Shiva Senthil Kumar<sup>1</sup>, Rachid Drissi<sup>1\*</sup>, Phillip Dexheimer<sup>1</sup>, Ralph Salloun<sup>1</sup>, Lionel Chow<sup>1</sup>, Trent Hummel<sup>1</sup>, Charles Stevenson<sup>1</sup>, Qing Lu<sup>1</sup>, Blaise Jones<sup>1</sup>, David Witte<sup>1</sup>, Bruce Aronow<sup>1</sup>, Cynthia E. Hawkins<sup>2\*\*</sup>, Maryam Fouladi<sup>1\*\*\*</sup>

**Author Affiliations:** 1 – Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio; 2 – The Hospital for Sick Children, Toronto, Canada

**Email of Corresponding Author:** maryam.fouladi@cchmc.org