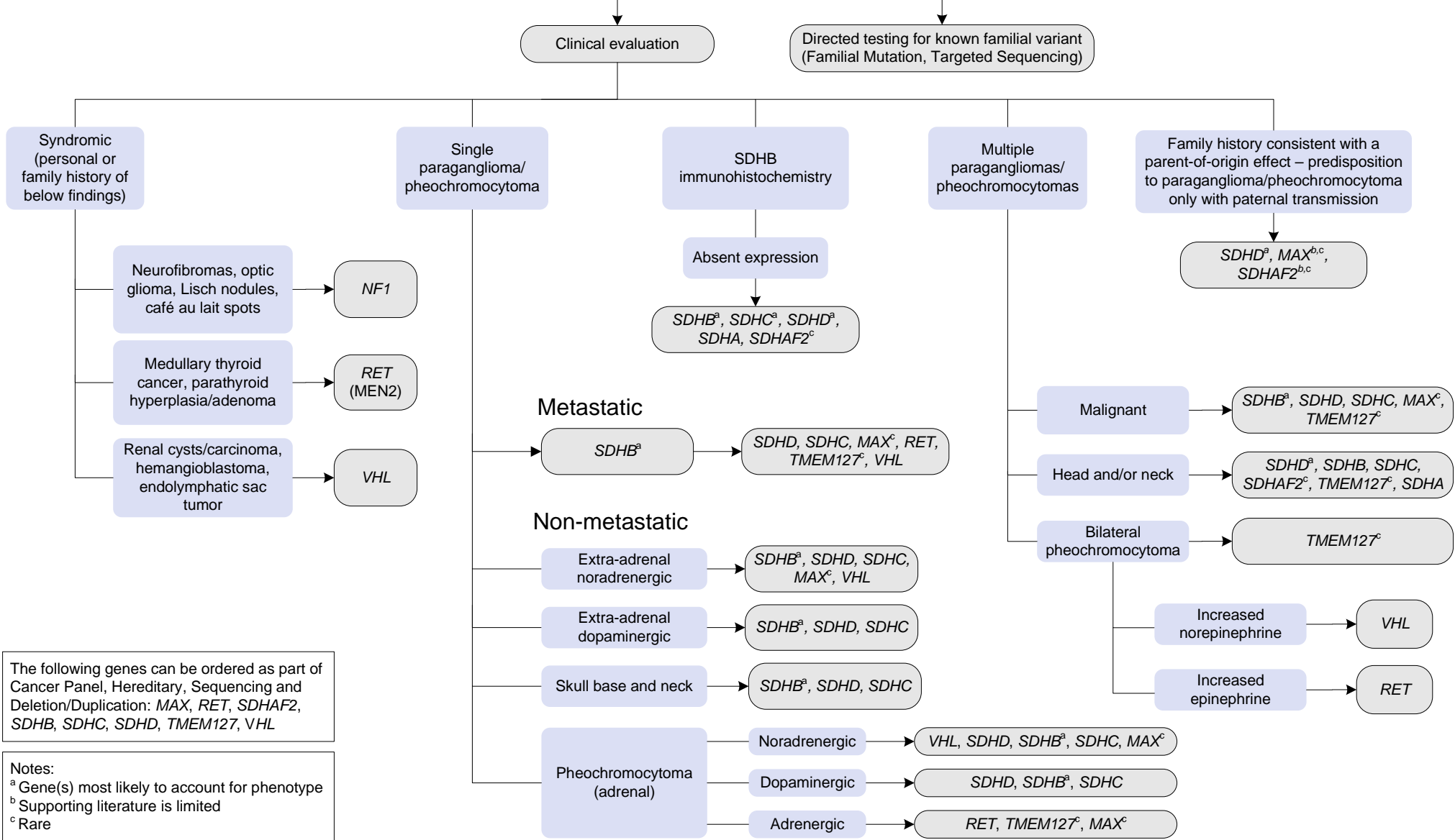


# Paraganglioma/Pheochromocytoma Genetic Testing

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**Recommendations for genetic testing for paraganglioma/pheochromocytoma**  
 Genes in the boxes are most likely to account for the clinical picture described, but clinical presentation for hereditary paraganglioma/pheochromocytoma syndromes can be highly variable; a genetics consultation is recommended



The following genes can be ordered as part of Cancer Panel, Hereditary, Sequencing and Deletion/Duplication: *MAX, RET, SDHAF2, SDHB, SDHC, SDHD, TMEM127, VHL*

Notes:  
<sup>a</sup> Gene(s) most likely to account for phenotype  
<sup>b</sup> Supporting literature is limited  
<sup>c</sup> Rare

References:  
 ● Fishbein L, et al. Inherited mutations in pheochromocytoma and paraganglioma: why all patients should be offered genetic testing. *Ann Surg Oncol*. 2013 May;20(5):1444-50.  
 ● Lenders JW, et al; Endocrine Society. Pheochromocytoma and paraganglioma: an endocrine society clinical practice guideline. *J Clin Endocrinol Metab*. 2014 Jun;99(6):1915-42.  
 ● Mannelli M et al. Clinically guided genetic screening in a large cohort of Italian Patients with pheochromocytomas and/or functional or nonfunctional paragangliomas. *J Clin Endocrinol Metab* 2009 May;94(5):1541-7.