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**Samantha Dahlberg\*** (dahlbe14@msu.edu), **Robert Dorward**, **Jonathan Gerhard**, **Thomas Grubb**, **Carlin Purcell**, **Lindsey Reppuhn** and **Bruce Sagan**. *Pattern avoidance in RGFs and Catalan analogues*. Preliminary report.

Wachs and White introduced four statistics on set partitions which are in bijection with restricted growth functions or RGFs. An RGF is a word  $w = w_1w_2 \dots w_n$  such that  $w_1 = 1$  and  $w_i \leq 1 + \max(w_1w_2 \dots w_{i-1})$ . It is known that if  $R_n(v)$  denotes the collection of length  $n$  RGFs which avoid  $v$ , then  $\#R_n(1212) = \#R_n(1221) = C_n$  the Catalan numbers. The generating functions we get from using Wachs and White's statistics on these sets are all analogues of the Catalan numbers, some of which have been previously studied. We find a connection to two-colored Motzkin paths. (Received August 11, 2015)