

Table 1. Ordinal response probabilities conditioned on latent class.

Latent Class	Ordinal Rank							
	0	1	2	3	4	5	6	7
Conjunctival injection								
Dry Eye	0.521	0.325	0.153					
Healthy	0.565	0.421	0.014					
Corneal staining								
Dry Eye	0.221	0.294	0.270	0.163	0.051			
Healthy	0.462	0.422	0.069	0.035	0.012			
Eyelid Vascularity								
Dry Eye	0.475	0.267	0.258	0.000				
Healthy	0.472	0.387	0.134	0.007				
Meibomian orifice plugging								
Dry Eye	0.465	0.297	0.153	0.085				
Healthy	0.290	0.364	0.253	0.092				
Meibum quality								
Dry Eye	0.260	0.236	0.217	0.119	0.168			
Healthy	0.314	0.318	0.178	0.130	0.060			
Tear Break Up Time								
Dry Eye	0.000	0.067	0.192	0.351	0.175	0.124	0.073	0.018
Healthy	0.000	0.000	0.000	0.179	0.132	0.107	0.165	0.417
Schirmer's test								
Dry Eye	0.058	0.362	0.272	0.292	0.016	0.000		
Healthy	0.000	0.023	0.315	0.329	0.199	0.134		

Table 2: Bivariate distribution means and standard deviations for DEQ5 and osmolarity (square root transformed and then standardized) conditioned on latent class.

Latent Class	Means		Standard Deviations	
	DEQ5	Osmolarity	DEQ5	Osmolarity
Dry Eye	0.152	0.331	0.906	1.101
Healthy	-0.111	-0.242	1.046	0.836