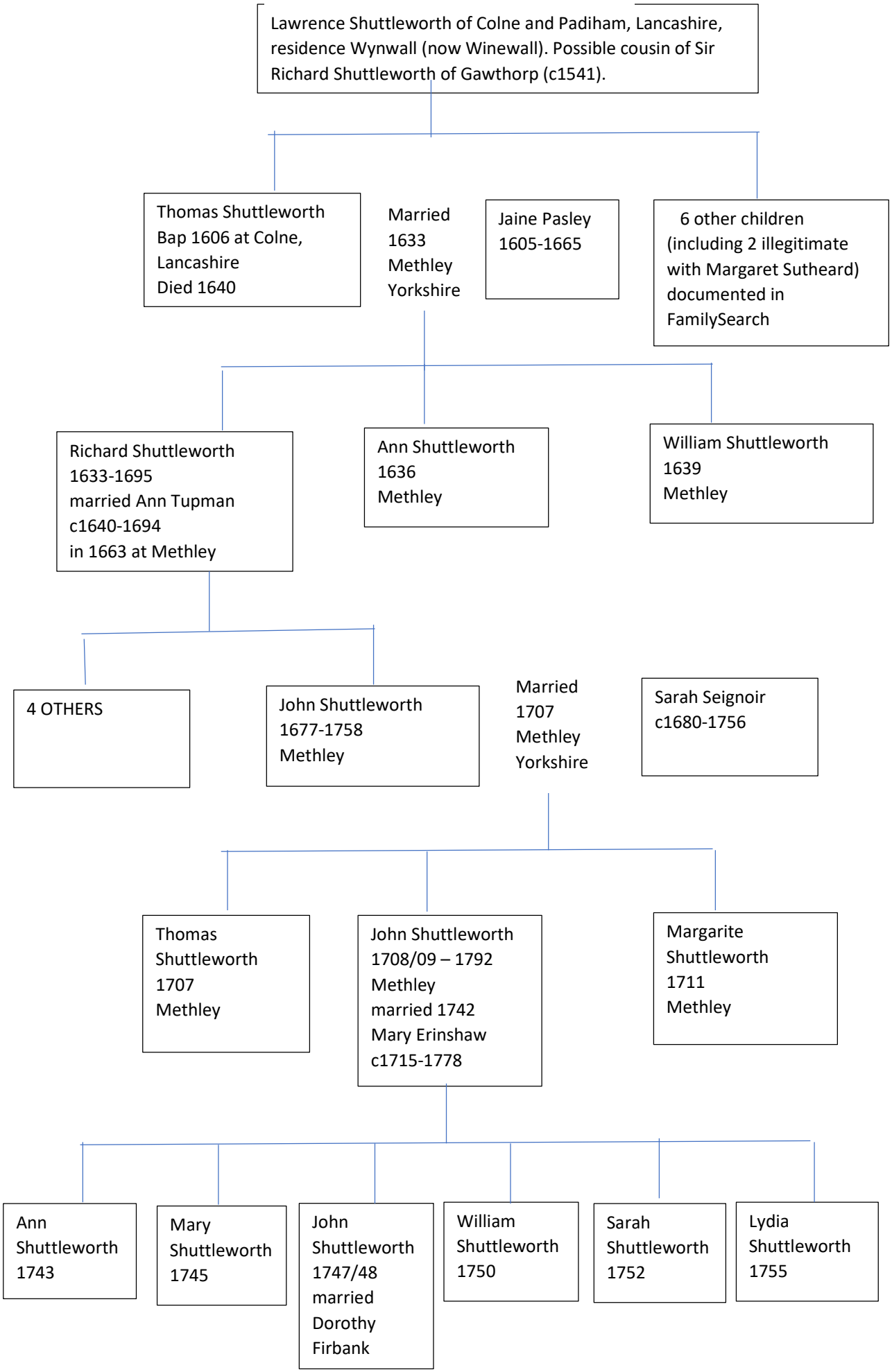PORTION OF SHUTTLEWORTH TREE