Typical mating	*Number of types*	
$AABB \times AABB$	2	$C_{n+1} = C_n + H + \frac{1}{4}(\alpha^2+\gamma^2)L + \frac{1}{4}(\beta^2+\delta^2)N + \frac{1}{8}Q + \frac{1}{8}R + \frac{1}{8}(\alpha^2+\gamma^2)U + \frac{1}{8}(\beta^2+\delta^2)V + \frac{1}{16}\alpha^2\gamma^2W + \frac{1}{16}(\alpha^2\delta^2+\beta^2\gamma^2)X + \frac{1}{16}\beta^2\delta^2Y.$
$AAbb \times AAbb$	2	$D_{n+1} = D + I + \frac{1}{4}(\alpha^2+\gamma^2)M + \frac{1}{4}(\beta^2+\delta^2)P + \frac{1}{8}Q + \frac{1}{8}S + \frac{1}{8}(\beta^2+\delta^2)U + \frac{1}{8}(\alpha^2+\gamma^2)V + \frac{1}{16}\beta^2\delta^2W + \frac{1}{16}(\alpha^2\delta^2+\beta^2\gamma^2)X + \frac{1}{16}\alpha^2\gamma^1Y.$
$AABB \times aabb$	2	$E_{n+1} = \frac{1}{16}\alpha^2\gamma^2W + \frac{1}{16}(\alpha^2\delta^2+\beta^2\gamma^2)X + \frac{1}{16}\beta^2\delta^2Y.$
$AAbb \times aaBB$	2	$F_{n+1} = \frac{1}{16}\beta^2\delta^2W + \frac{1}{16}(\alpha^2\delta^2+\beta^2\gamma^2)X + \frac{1}{16}\alpha^2\gamma^2Y.$
$AABB \times AAbb$	8	$G_{n+1} = \frac{1}{16}(\alpha\beta+\gamma\delta)(U+V) + \frac{1}{16}\alpha\beta\gamma\delta(W+2X+Y).$
$AABB \times AABb$	8	$H_{n+1} = \frac{1}{2}H + \frac{1}{4}(\alpha\beta+\gamma\delta)(L+N) + \frac{1}{8}R + \frac{1}{16}(\alpha^2+2\alpha\beta+\gamma^2+2\gamma\delta)U + \frac{1}{16}(2\alpha\beta+\beta^2+2\gamma\delta+\delta^2)V + \frac{1}{16}\alpha\gamma(\alpha\delta+\beta\gamma)W + \frac{1}{16}(\alpha\gamma+\beta\delta)(\alpha\delta+\beta\gamma)X + \frac{1}{16}\beta\delta(\alpha\delta+\beta\gamma)Y.$
$AAbb \times AABb$	8	$I_{n+1} = \frac{1}{2}I + \frac{1}{4}(\alpha\beta+\gamma\delta)(M+P) + \frac{1}{8}S + \frac{1}{16}(2\alpha\beta+\beta^2+2\gamma\delta+\delta^2)U + \frac{1}{16}(\alpha^2+2\alpha\beta+y^2+2\gamma\delta)V + \frac{1}{16}\beta\delta(\alpha\delta+\beta\gamma)W + \frac{1}{16}(\alpha\gamma+\beta\delta)(\alpha\delta+\beta\gamma)X + \frac{1}{16}\alpha\gamma(\alpha\delta+\beta\gamma)Y.$
$AABB \times Aabb$	8	$J_{n+1} = \frac{1}{16}(\alpha^2+\gamma^2)U + \frac{1}{16}(\beta^2+\delta^2)V + \frac{1}{16}\alpha\gamma(\alpha\delta+\beta\gamma)W + \frac{1}{16}(\alpha\gamma+\beta\delta)(\alpha\delta+\beta\gamma)X + \frac{1}{16}\beta\delta(\alpha\delta+\beta\gamma)Y.$
$AAbb \times AaBB$	8	$K_{n+1} = \frac{1}{16}(\beta^2+\delta^2)U + \frac{1}{16}(\alpha^2+\gamma^2)V + \frac{1}{16}\beta\delta(\alpha\delta+\beta\gamma)W + \frac{1}{16}(\alpha\gamma+\beta\delta)(\alpha\delta+\beta\gamma)X + \frac{1}{16}\alpha\gamma(\alpha\delta+\beta\gamma)Y.$
$AABB \times AB.ab$	4	$L_{n+1} = \frac{1}{4}(\alpha^2+\gamma^2)L + \frac{1}{4}(\beta^2+\delta^2)N + \frac{1}{8}(\alpha^2+\gamma^2)U + \frac{1}{8}(\beta^2+\delta^2)V + \frac{1}{8}\alpha^2\gamma^2W + \frac{1}{8}(\alpha^2\delta^2+\beta^2\gamma^2)X + \frac{1}{8}\beta^2\delta^2Y.$
$AAbb \times Ab.aB$	4	$M_{n+1} = \frac{1}{4}(\alpha^2+\gamma^2)M + \frac{1}{4}(\alpha^2+\delta^2)P + \frac{1}{8}(\beta^2+\delta^2)U + \frac{1}{8}(\alpha^2+\gamma^2)V + \frac{1}{8}\beta^2\delta^2W + \frac{1}{8}(\alpha^2\delta^2+\beta^2\gamma^2)X + \frac{1}{8}\alpha^2\gamma^2Y.$